

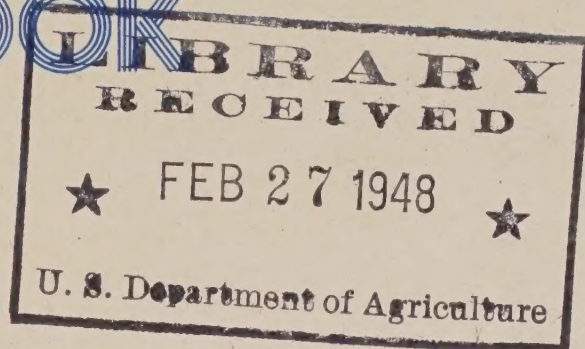
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GLADIOLUS FANCIER'S GUIDE BOOK

1948



H. R. Hancock

HERBERT O. EVANS ··· P. O.—SOLON, OHIO

INTRODUCTORY

A GAIN, this booklet is planned for you. It adopts your point of view. It gives you hitherto unpublished facts upon which to base your own conclusions. It is not cluttered up with fictitious values.

A small portion of the information in this booklet is repeated from last year. In such instances, the data is still so valuable that we cannot possibly leave it out.

This is our 20th annual catalog.

Undoubtedly you want others to admire your flowers, since appreciation of the general quality of your glads by your friends is gratifying. Our greatest effort is expended to eliminate your spending time on inferior sorts. To accomplish this we do not restrict our data to our own offerings and the more you read in this Guidebook the more you will be convinced that here is a little "instruction course" on Gladiolus with an irreducible minimum of bias.

For further valuable current literature on gladiolus, the one outstanding bargain is obtainable only through the Ohio State Gladiolus Society, the only society offering a four-way combination membership including The Canadian Gladiolus Society, the New England Gladiolus Society and there are four quarterly bulletins of the North American Gladiolus Council, all for \$4.25 . . . a \$6.00 value. Past experience relating to early exhaustion of the Year Books dictates the warning that acceptance of this offer should be made before the end of February. For more complete information see our "Society Page," page 33 hereof.

Our business is growing by leaps and bounds. Our ability to answer correspondence on relatively unessential subjects has almost reached the vanishing point. We pack our booklet with many pages of answers to many questions we get nevertheless. Every question vital to the selection and growing of good glads we think we have already answered somewhere in this booklet.

However, we will not allow the business to reach the stage, all too common, where the proprietor no longer is able to personally inspect the outgoing stocks for complete freedom from injurious insects and bulb diseases. Our past customers know what quality of bulbs they will get. Our reputation for sound bulbs is more than national. Our reputation for offering only the very best varieties to be found around the world is equally broad. We plan to keep it that way.

Horticultural costs have gone up and will go higher. Paper and printing and cartons, too.

A grower-cataloger of bulbs has certain inescapable costs: planting stock, use of land, its preparation, planting, cultivating, digging, hauling, curing, cleaning, grading, storage quarters, fumigating or other processes to combat insects and bulb diseases, advertising of one form or another, catalogs, postage, packing and shipping. There may be additional items of overhead such as clerical, irrigation, spraying, etc.

Heavier buying of the newer sorts has eaten into what should have been retained for propagating reserves.

We do not issue a fall list and we do not solicit "pre-catalog" orders. Most of them require later revision because of abandoned varieties and price reductions. We do recommend that you place your order soon after receipt of this Guidebook to avoid, in so far as it is possible, the disappointment of sold out items.

Variety descriptions are vital to a cataloger's reputation. Yet the average cataloger, for the most part, copies the originator's description and trusts to luck. We think we try out but "junk" without listing more varieties than any cataloger in America. Most catalogers use their selling facilities to get rid of their "bad investments." The more varieties a cataloger lists, the easier it is to "cash out" a variety that has proved a disappointment to him. A variety has around thirty different characteristics to consider, relating to form, color, size, height, strength, substance, season, bulb health, propagation, etc. No cataloger can spare the time and space to describe them all, but we can and do report a glad's most interesting features and you may definitely assume, in the absence of specific mention of some undesirable traits, to the best of our knowledge and belief, **the traits or habits not specifically mentioned are above the "satisfactory" level.**

Over the years we have built up an enviable reputation for generous filling of orders by medium of overcount, oversize, samples of new sorts to try, free bulbs for society memberships, free memberships and color charts, etc.

We appreciate receiving a portion of your bulb purchases. We do not necessarily solicit it all. By inducing you to seek society literature we deliberately put you in contact with the advertising of our "fiercest competitors"—J. D. Long, Elmer Gove, Carl Salbach and a host of other long time friends in the industry.

HERBERT O. EVANS

Farm, State Route 91

SOLON, OHIO

NATIONAL CONFERENCE AND TWO DAY SHORT COURSE

The fifth National Conference conducted by the New England and affiliated societies will be held at Hotel Schroeder, headquarters, Milwaukee, Wis., Saturday and Sunday, February 21, 22, 1948. Lectures, discussions, color slides, banquet, bulb auction, etc. The lectures will be on bulb and plant diseases, insecticides, fertilizers, weed control, tools, trial grounds, judging, etc., by state and federal horticulturists, entomologists and pathologists.

THE OHIO ANNUAL EXHIBITION, 1948

The Ohio state show, again at the wonderful Higbee Co. Auditorium on Cleveland's Public Square. Under same roof the R. R. Terminal Tower, the Cleveland Hotel and the Terminal Garage (largest in the world). Monday and Tuesday, August 30 and 31, 1948. No other shows scheduled to interfere with your coming. The world's quality show.

THE CHAGRIN FALLS (Ohio) SHOW

Conducted by the Chagrin Valley Men's Garden Club. At High School Gymnasium, Chagrin Falls, Ohio, on State Route 422 about 20 miles east of downtown Cleveland. Saturday and Sunday, September 4-5, 1948.

THE OHIO RECENT INTRODUCTION AND SEEDLING SHOW

Sunday, September 12, 1948, at our farm, State Route 91, Solon, Ohio. Beyond doubt the best attendance of any of the state society recent introduction and seedling shows. (Some states have several). R. I. and Seedlings are brought for scoring for possible Awards of Merit. Here we are often able to exhibit newly imported varieties a year or two before their appearance in U. S. catalogs and shows. We have an efficient traffic manager, lots of room, boating and cafeteria. Visitors from many states.

GLADIOLUS SEED

After eight years of offering quality seed from thoroughbred pedigrees we have finally failed our customers. Last year we reported that our luck could not last forever. And it didn't. As usual, the same three of us patiently set crosses for two weeks and more

with good success. The pod spikes were each tied with 3 rubber band minimum to 6 foot stainless steel stakes to protect against heavy winds. But this time we had the only hail storm in 20 years to do any substantial damage. It not only tore off practically all the seed spikes but also several thousand spikes with buds in color in our R. I.-seedling-import field, which spikes would have been timed about right for our R. I.-seedling show. Out of 90 crosses (all many times duplicated), only three weathered the storm.

We got busy again and made 65 crosses (again many times duplicated) but the season was too late to properly mature the seeds. We got pretty good looking pods, but mostly without salable seeds, far too few of a cross to warrant listing.

COLOR AND SIZE CLASSIFICATION

The color separations as used by the New England Gladiolus Society, coupled with reference to the "Fischer" Color Chart and the size and color classification of a 1944 national gladiolus conference adopted by the North American Gladiolus Council in 1946 and now used by most of the 40 or more gladiolus societies in the U. S. merit your attention. We brief them here because it will enable you to understand our show and symposium tabulations and enable you to make judicious use of our method of cataloging varieties in their own color groups where the variety descriptions and prices may be readily compared. Our catalogs for a full twenty years have offered their varieties by color groups. This brief will also give you a rather complete understanding of any gladiolus show you may visit in the U. S.

Over the years we have participated in the development of these systems and with standards for scoring, five years while executive chairman of the American Gladiolus Society, five more as executive chairman of the Ohio State Gladiolus Society and this is our fifth year on the National Classification Committee.

SIZES

Giant	500 series	5½ inches and up
Large	400 series	4½ to 5½
Medium	300 series	above 3¼ to 4½
Small	200 series	2½ through 3¼
Miniature	100 series	under 2½

Thus the first digit of the 3 digit number indicates the size range of the floret of the gladiolus in question

COLOR SEPARATIONS

These are the 2nd and 3rd digits of the 3 digit numbers. The first of these represents the color group. The second denotes the depth of color within the group. If the color is without conspicuous marking this last number will be even. If the color has conspicuous marking the next higher odd number will be used. The color valuations refer to the revised Fischer Color Chart which is further mentioned on our "Society" pages at the end of our catalog.

00 White	00	(without conspicuous marking)
	01	(with, etc.)
Cream	06	paler than Y6 and GY6
10 Yellow	10	Light. (Y5-6)
	12	Deep. (Y2-3-4)
Buff	16	(OY6, Y06 and paler)
20 Orange	20	Light. (O5-6, Y05 and paler)
	22	Deep. (OY2-3-4, Y03-4, 02-3-4-5)
	24	Red O. (R02-3)
30 Salmon	30	Light. (R05-6 and paler)
	32	Deep. (OR5-6, R04)
36 Scarlet	36	(OR3-4)
40 Pink	40	Light. (R6 and paler)
	42	Deep. (R5)
50 Red	50	Light. (R4)
	52	Deep. (R3)
	54	Black. (R1-2, OR1-2)
60 Rose	60	Light. (Nearest R5, trace of V)
	62	Deep. (Nearest R3, trace of V)
66 Lavender	66	(VR3-4-5-6, RV3-4-5-6)
70 Purple	70	(RV1-2, VR1-2)
76 Violet	76	Light. (V4-5-6, BV4-5-6)
	78	Deep. (V1-2-3, BV1-2-3)
80 Smoky	80	(Containing gray. Can subdivide)
	82	(Orange smoky)
	83	(Salmon smoky)
	84	(Pink smoky)
	85	(Red smoky)
	86	(Lavender or rose smoky)
90 Any other color.		(mostly brown shades)

Glads now readily fall into place. The giant, unmarked white Snow Cruiser is 500. Picardy 530. Sir Galahad 511 being a giant, blotched, light yellow, etc.

COLOR CLASS TABULATION OF 1947 WINNERS

This tabulation of 1947 winners, coupled with like tabulations in our Guidebooks of recent years and those to follow, presents the best bird's eye view possible of the development and ebb of popularity of varieties. To keep this tabulation from overrunning our whole guidebook, we have this year eliminated

the recording of mere first prize color class awards. There are plenty of pretty good varieties and their name is rapidly becoming legion. But we believe that you, as well as we, are searching out the best. To win in a color class a variety need only be the best of its color and size group. But to win special awards, the variety commonly has to compete with glads of all colors. It is thus that section champions, color champions (in U. S.) (see Color Champion Tabulation), Grand Champions, largest bloom, etc., are chosen.

So this year, the first number after the variety name indicates the number of grand championships, color championships (as we know them in U. S.), Awards of Merit and First Class Certificates. These are the highest honors they can get in U. S.

The second number indicates lesser yet special awards not tied down to color separations, namely Reserve Champions, Second Day Champions (show rules are too varied and erratic here to compare them with first day champions), Division Champions, Section Champions, Largest Floret, Most Open Florets and Longest Flowerhead. Nothing more. It does not include such items as most ruffled, most buds, most beautiful (seldom chosen by competent judges, but usually by visitors), best Canadian origination, etc.

As heretofore the varieties are listed within their classification in the order of **our** preference, reflecting **our** opinion of their relative worth. You note that this tabulation is in no wise restricted to the varieties we offer for sale. But, in most instances we have grown them or have seen them growing elsewhere or at the shows. Very few trail their companions for mere lack of knowledge.

Varieties listed in bold capital letters are considered of the utmost outstanding quality, judging them by standards far more severe than would cause us to vote them "A" for the Canadian Symposium. Varieties listed in capitals not bold are additional varieties that would receive our "A" by minimum "A" standards in the symposium.

The following shows are tabulated in both columns: Binghamton (international), Canadian (national), Chagrin Falls (Ohio), Delaware, East Liverpool (Ohio), Ill. (Chicago), Ill. state, Ind. state, Iowa state, Keystone state, Md., Metropolitan (N. Y. C.), Mich. state, New Jersey, Minn. state, Ohio state (Cleveland), Ohio (Solon), Oklahoma, Pacific N. W., Pa. state (Greenville), Pa. (Pittsburgh) Sheboygan (Wis.), So. Calif., S. E. Mich., So. Minn., Tri State (Wellsville, Ohio), West Va., Winnipeg (2 shows) and Wis. state.

The following shows are tabulated in 1st (grand champion) column only for lack of information: Conn., E. N. Y., Grants Pass, Mont. state, N. E. G. S., Sioux City, Utah, Western Mass. and Madison (Wis.) societies.

GIANT

500 Series (over 5½ inches)

500 White —

STRATHNAVER 0-2
 BARBARA SCOTT
 ROYAL WHITE
 SNOW CRUISER
 SILVER WINGS 1-4
 MT. KOSCIUSKO
 ANZACS
 Winter White
 Lily White
 Roosevelt's Memory
 Aviatrice
 Christine
 Texas
 Dr. Van Dobben de Bruyn
 Crystal
 White Magic 0-1
 Anna Mae
 Snow Mountain

501 White +

MRS. M. J. WHITE
 GRACE MOORE
 MARGARET BEATON 0-1
 Margaret Barrett
 White Challenge
 The Bride

506 Cream

SALMAN'S GLORY 0-2
LEADING LADY 7-12
 CORONA 0-4
 JUNE BRIDE
 Connie G. 0-2
 Stratosphere
 Shirley Temple 1-0
 Oriental Pearl 0-3
 White Gold 0-1

510 Light Yellow

SIR GALAHAD 0-1
 Chagrin
 Coventry
 Tahlahneka
 Discovery

512 Deep Yellow

GOLDEN FAVORITE
 GARDEN GOLD
 JAVA
 Golden State
 Laburnum

516 Buff

HELEN OF TROY
 Kawatiri
 Dr. Whitely 0-1
 Bingo 1-2

520 Orange

TUNIA'S DELIGHT 1-0
 BOBBY DAZZLER
 Palermo
 Aleta
 Chunking
 Ursus

LARGE

400 Series (4½—5½ incl.)

400 White —

VREDE
 FLORENCE NIGHTINGALE 0-2
 WHITE WINGS
 MYRNA 0-4
 Igloo
 Mary Odell 0-1
 Spindrift 1-1
 Fair Angel 1-0
 Snow Princess 0-1
 Snowflake
 Surfside
 Glacier 0-1
 Matterhorn
 Wax Model

401 White +

CARIBOU
 ELEGANT LADY 0-2
 Mt Index 1-1
 Ariadne
 Heavenly White
 Silentium

406 Cream

JOE STALIN
 SINCERITY (Errey)
 LADY JANE 0-1
 Wanda
 Vee Cream
 Mrs. G. G. Errey
 Pacifica

410 Light Yellow

Golden Beauty
 Kathy Lee
 Gleam
 Crinklecream
 Yellow Herald
 Martha Dean
 On the Beam
 Golden Dragon 0-1
 Oregon Gold

412 Deep Yellow

SPOTLIGHT 0-2
 MANCHU
 Amberglow 0-1
 Hokus Pokus

416 Buff

STRALIA
 Charmoluck
 Sunspot 3-3
 Glenolden
 Grenadier
 Athlone
 Marimba
 Susquehanna 0-2

420 Orange

TUTS BOTH 3-2
 ALL GLORY
 Dazzler
 Lantana 0-1
 Kestrel 0-1
 Drum Major 0-2
 Hiawatha
 Orange Gold
 Larime
 Bloemfontein
 Bittersweet

MEDIUM

300 Series (3½—4¼ incl.)

300 White —

TUNIA'S SNOWBALL
 Arctic Snow 0-2
 Snowsheel 0-2
 Lord Selkirk
 Emblem of Purity
 Pearl Harbor

301 White +

Robert Shippee
 Bob White
 White Orchid

306 Cream

Mary Elizabeth
 Green Light
 Gardenia
 Wedding Gown

310 Light Yellow

ELIZABETH MAIER 0-2
 Cut Up
 Yellow Paradise 0-1
 Solo Mio
 Candelabra

312 Deep Yellow

SOLID
 GOLDEN GODDESS 0-2
 MOTHER KADEL
 Spun Gold
 Yangtze
 Van Gold
 Golden Teton

316 Buff

DONNA
 Patrol
 Aglow

320 Orange

Amberlite
 Bit O' Heaven 0-2
 Glow 1-0
 Padre
 Orange Prince 0-2
 Dixie Gold
 Cracker Jack
 Olive Marie Brown 0-1
 Orange Opal 0-1
 Orange Sovereign 0-1

GIANT

500 Series (over 5½ inches)

530 Light Salmon
MRS. E. BOTH
PICARDY 1-7

Marsden
Aranjuez
King of Hearts
King William
Lady Wayne 0-1
Olga Tschechova
Glamis 0-1
Butterscotch 0-1
W. R. Reader
Colossus 0-1

532 Deep Salmon

BOLDFACE 0-1
HARMAU
Strawberry Peach
Marguerite 0-1
Aladdin 0-4
Daisy Mae
Normandie (Byvoet)
King Alfred
Titan
Genghis Khan
Miss New Zealand

536 Scarlet

AUSSIE
MRS. ALICE B. STREET
DESTINY
ALGONQUIN 1-6
Tunia's Marvel
Flame Queen
Walk Over
Commando
New Europe

540 Light Pink

MYSTERY
BIG TOP 1-6
EVANGELINE 1-3
STELLA ANTISDALE 0-1
PHANTOM BEAUTY 0-3
Rima
Eglantine
Grand Opera
Yankee Clipper
Lady Luck

542 Deep Pink

PERSONALITY
ESSA MARIE
California 0-1
Bob Both
Summer Gal
Pink Charm
Cherry Jam
Pink Picardy 0-1
Regal Lady 0-1

550 Light Red

MID-AMERICA 0-5
Red Rascal
Ohio Non Pareil
Intruder
Daniel Boone
Mammoth Ohio 0-1

LARGE

400 Series (4½—5½ incl.)

430 Light Salmon

MARLENE BOTH 0-1
ANN STRALIA BOTH
HUGH PRICE
GERALDINE (Pruitt)
H. B. PITT
Jeanie
Rialgar
Janet Lee 1-0
Ace of Hearts
Gratitude
Victory Queen
Deborah Sampson
April
Sierra Sue 0-1
Mr. W. H. Phipps 0-1

432 Deep Salmon

TUNIA'S FANCY
SPITFIRE 0-4
WATERMELON
DIEPPE 0-6
LIBERATION
Ladrone
Spic and Span 1-6
Marie Antoinette
Holland's Glory
Ogarita 0-1
Madeleine Brown
Tara
Pioneer

436 Scarlet

PFITZER'S CENTURY
Beacon
St. Edward
Regent
War Paint 1-3
Southern Drama
Feuerreiter
Atlantic 1-0
Tunisia
King Bee 0-1
Radiance 0-1
Topscore
Mt. Gem 0-1

440 Light Pink

GRETA GARBO 1-2
CONNECTICUT YANKEE 3-4
MRS. P. COSTA
HIGH COMMAND
CHANTILLY
Memoir
Bengasi
Algoma
Yankee Lass 0-1
Ethel Cave Cole 0-2
Joyce Beverly
Ivy Robertson 0-5
Pink Radiance 0-2
Candyheart
Capeheart 0-1
Avalon 0-1
Dream Castle 0-1
New Era 0-1

442 Deep Pink

NECIA
TOPFLITE 0-1
MARION PEARL 1-0
FABULOUS
Neon 0-1
Peggy Lou
Cover Girl 0-1
Wings of Song 0-2

450 Light Red

CARNIVAL
J. V. KONYNENBURG
Thriller
Rocket
Gracie Allen 0-1
Red Cherry
Red Lightning
Master Myron

MEDIUM

300 Series (3½—4¼ incl.)

330 Light Salmon

Pfitzer's Masterpiece
Radiance
Similor

332 Deep Salmon

MARG'T FULTON 0-3
Bonneville
Early Peach

336 Scarlet

TARAWA
Mrs. Richard McGovern
Roland
Firefly
Dr. F. E. Bennett 0-1

340 Light Pink

Mme. Curie
Sweetheart

342 Deep Pink

Pandora 0-3
Pink Paragon 0-1

350 Light Red

Red Phipps
Radiance
Totem

GIANT

500 Series (over 5½ inches)

552 Deep Red
MIGHTY MONARCH 0-1
 ANIMATION
 Interceptor 0-3
 Rodney
 Dragon's Blood
 Hindenburg's Memory
 Com. Koehl

554 Black Red
 MARSHALL MONTGOMERY
 MRS. R. G. ERREY
 GRAND MONARCH
 Black Cherry
 Royal Garnet
 Rich Red
 Black Panther 0-1
 Rewi Fallu

560 Light Rose
 COUTTS ORCHID
 HILLCREST
 PROSPERITY
 Leeuwenhorst
 Bernadette
 Rosea
 Festival Queen
 Aurora
 Sensation
 Astrid
 Dawn Glow 0-1
 Rose Ruffles 0-1

562 Deep Rose
 GENERAL EISENHOWER
 Burma 0-5
 Sophia
 Malta
 Buena Vista
 Red Rose 0-1

566 Lavender
 TUNIA'S MASTERPIECE
 ORCHID MARVEL 1-2
 Minstrel 1-0
 Siboney 1-3
 Elizabeth the Queen 1-7
 Rose o' Day 0-1

570 Purple
 CONVOY
 MARGARET WOOD
 Nila
 Themesong
 Mrs. Mark's Memory
 King Lear
 Takina
 Parnassus
 Lexington
 Crown Orchid 0-1

576 Light Violet
 BLUE ICE
 Blue Orchid (Both)

578 Deep Violet
 Pansy Blue

LARGE

400 Series (4½—5½ incl.)

452 Deep Red
FIREBRAND 2-8
RED CHARM 1-10
 C. ROBERTS
 Red Viking
 Birch Red
 Stoplight
 Rampart 0-1
 King Click
 Kenwood 0-1

454 Black Red
 MAURRIE TREVAN
 MANSOER
 Mohawk
 Black Magic
 Paul Robeson
 Midnight Red

460 Light Rose
 EIFFEL TOWER
 TIVOLI
 VENIDA
 Rosa van Lima 0-1
 Miss Wisconsin 1-2
 Chamouny 0-3
 Detroit News 0-1
 Ballad

462 Deep Rose
H. R. HANCOCK
 Oregon Rose 1-0
 Leona 0-1
 Sioux City Sue
 Fuchia Belle

466 Lavender
 MINUET 0-3
 Lavender Dream
 Huntress 0-1
 Badger Beauty 0-2
 King Arthur
 Wedgewood 0-1
 Lavender Prince
 Isola Bella
 Myrna Fay

470 Purple
LANCASTER
 Vulcan
 Stapleford
 Paul Rubens
 Elanor 0-2
 Rangoon
 Ankara
 Purple Beauty
 Purple Supreme

476 Light Violet
 RAVEL
 Blue Beauty
 Muzio Clementi
 Allegro
 High Life
 Pfitzer's Success
 Great Lakes

478 Deep Violet
 Tunia's Blue
 Blue Lagoon
 Robert Burns
 Porcelain Blue

MEDIUM

300 Series (3½—4¼ incl.)

352 Deep Red
 Harlekin
 Summer Fragrance

354 Black Red
 BLACK OPAL 0-5
 Oeganda
 Black Diamond 0-2
 Red Velvet
 Malay Chief

360 Light Rose
 Betty's Choice
 Charmaine 0-1
 Betty Jane Schul
 Prelude

362 Deep Rose
 Diplomat
 Early Rose
 Dream o' Beauty

366 Lavender
 KITTYHAWK
 Gertrude Swenson
 Colonial Maid 0-6
 Lavender and Gold 0-1
 Abigail 0-1
 Grand Opening 0-2
 Hildred
 Lavender Queen 0-1

370 Purple
HAVELOCK
 Koran
 Gloaming
 Herbstfreude
 Charles Dickens
 Beverly

376 Light Violet
 Better Times
 Lajla
 Max Reger

378 Deep Violet
 ABU HASSAN 0-1
 Tehema
 Bluet (Mitsch) 0-1
 Oberbayern
 Rudolph Serkin
 Blue Admiral
 Pelegrina

GIANT

500 Series (over 5½ inches)

LARGE

400 Series (4½—5 ½ incl.)

MEDIUM

300 Series (3½—4¼ incl.)

580 Smoky

TUNIA'S WIZARD
TUNIA'S MAHOMET 0-2
FRED PARKER
FLYING FORTRESS 0-1
 Voodoo
 Maple Leaf 0-2
 Mistaya 0-1
 High Finance
 Storm Cloud 1-1
 Misty Dawn
 Moon Glow 0-1
 Mrs. C. W. Gannett 0-1

480 Smoky

PASTEL
 Gray Dawn
 Silver Gull
 Uhu
 Zuni 0-1
 Mother Machree
 Bagdad

380 Smoky

Oklahoma 0-1
 Intrepid
 Susan
 Beltrami

590 Any Other Color

TUNIA'S ELITE
TUNIA'S ATOMIC BURST
 R. B. 0-2
 Bronze King

490 Any Other Color

KEITH
 De GRYSAARD
 Buckeye Bronze
 King Tan
 Silhouet
 Xerxes

390 Any Other Color

VAGABOND PRINCE 0-3
 Pinocchio 0-1
 Color Marvel
 Cubana
 Brazil

GRAND CHAMPION BLOOMS

The Grand Champion Bloom of the Show is, ipso facto, a sweepstakes award to the best spike in the Exhibition, wherever found. If not so chosen we prefer not to list them.

Some (not many) hybridizers and catalogers are very loose in their use of the words "Winners," "Champions," etc. For your own protection, scrutinize these assertions closely and see if the winning is identified to time and place. An honest introducer of new varieties will be reasonably sure to specify rather than generalize or use language intended to deceive.

In recent years many of the larger shows have provision for sectional and division champions. Topping these, most sizeable shows now provide for the single spike Grand Champion Bloom of the Show. A few of them, where enough hybridizers exhibit to warrant, provision is made for Champion Seedling Bloom.

Grand Champions in major shows about the world inside the last six years follow:

Aladdin—Md., '42; Sask. and E. N. Y., '43; LeRoy, Ill. and Yakima Valley, '44; Yakima '45; Regina, Sask., '46

Algonquin—Sioux City and Grants Pass, '41; Wis., Wellsville, O., LeRoy, Ill., '45; Sheboygan Co. G. S., '47.

Alma—Canterbury, N. Z., '46.

Anzacs—Ballarat, Ararat and Beaufort, Vic., '45.

Athlone—Winnipeg, '46.

Atlantic—Pacific N. W., '47.

Avalon—2nd day Winnipeg, '45.

Beacon—Utah, '41.

Beauty Clinic—Ames (Ia.), '43.

Bengasi—Momence, Ill., '44; Vancouver, B. C., '46.

Big Top—Tri State, Wellsville, O., '44; Mont., '46; Conn., '47.

Bingo—Waterloo, '42; Ill., '43; Ind., '47.

Blue Wonder—Tasmania, '41.

Bob Both—Dunalley, Tas., '47.

Caribou—Quebec, '42 and '43.

Capeheart—Momence, Ill., '45.

Caroline W. Gannett—Empire, '42.

Chamouny—E. Bay, '40; 2nd day, Akron, Ohio, '44.

Col. Wm. Light—Melbourne, Australia, '44; 2nd Pt. Adelaide, '45.

Conn. Yankee—Lima, N. Y. (regional), '46; Mont., N. J., Ill. state, '47.

Coral Queen—Motueka, N. Z., '47.

Corona—Blue Ridge (Md.) and 1st Ohio Show, '42; So. Minn. and Victoria (Austr.), '43; Akron, Ohio and Ottawa, Ill., '44.

Crystal—So. Australia G. S., '37; Wyo., '41.

D. Both's Memory—So. Australia G. S., '41, '45; West Australia G. S., '45; Kilburn, Australia, '46.

Dauntless—Melbourne, '45; Ballart, '47.

Del Ray—Ill., '38; Nebr., '41.

Donna—2nd day Ohio, '43.

Dr. Pryor—Melbourne R. H. S., '47.

Dr. Whitely—Empire, '43.

Eglantine—La Porte, Ind., (regional) '46.

Elegant Lady, 2nd day, C. G. S., '47.

Elizabeth the Queen—Ames (Ia.), '42; Ill. and 2nd show Winnipeg, '46; Foolsclay, Melbourne, Iowa and 2nd day Pa. state, '47.

Elizabeth McCombs—N. Z. G. S., '44.

Essa Marie—Hamilton, Ont., '44.

Ethel Cave Cole—2nd Calgary, '41; Ia., '46.

Evadne—Miramar, N. Z., '46.

Evangeline—Ohio, '46.

Fair Angel—Del., '47.

Fata Morgana—West Australia, '41.

Festival Queen—Sidney, Australia, '41.

Fort Wayne—2nd day Ind. state, '47.

Gertrude Swenson—Pac. N. W., '41.

Grand Opening—Mich., '46.

Grand Opera—Chagrin Falls (Ohio), '43.

Greta Garbo—Wyo., '42 and North Bay (Ont.), '42; Wellsville (Ohio), '43. 1st Edmonton '44; Winnipeg, Hobart, Tasmania and Edmonton, '45; Lethbridge, Alta., North Bay, Ont., Moncton, N. B., West Australia G. S., and Auckland, N. Z., '46.

Harmau—Queensland, '40.

Helen of Troy—Grant's Pass, '40; 2nd day, Chagrin Falls, Ohio, '44; W. Va., '45. Moose Jaw G. S., '46.

Hindenburg's Memory—Parramatta, N. S. W., '39; Thunder Bay, '42.

Huntress—Wash., '46; Wausau, (Wis. regional), '47.

Intermezzo—Deerfield (Ill.), '43.

Intrepid—Md., '45.

Ivy Robertson—Ia., '45; East Liverpool, Ohio, '46.

Joe Stalin—Tasmania G. S., '45.

Johan Van Konynenburg—3rd show Haarlem, '45.

Keith—Auckland G. S., N. Z., '45.

Kildonan—Winnipeg, '41.

King Click—Ohio, '40; S. E. Mich., '41; Pa., '42; Ohio, 2nd show, '43; Tri State, Wellsville, Ohio and Twin City, Wis. (regional), '46.

King of Hearts—Ohio, '43.

King Tan—W. Va., '44.

Kittyhawk—Central Hawks Bay, N. Z., Northland, N. Z., Karori, N. Z., '47.

Lady Luck—Minn., '47.

Lady Marion—Empire (Cortland), '47.

Larime—Wellsville, '42; 2nd day Ohio, '43.

Lavender Queen—2nd day Pa., '46.

Leading Lady—Chicago, Conn., N.E.G.S., '44; Binghamton, N. Y., W. Va., Ottawa Dist., Utah, Md. and Madison, Wis., '46. E. N. Y. (Peekskill), Mich., Madison (Wis.), Okla., S. E. Mich., Chicago, Western Mass. and 2nd day, Conn., '47.

Leona—Md., '41.

Llona—2nd day Midwest, '43.

Madeleine Brown—S. E. Mich., '44; 2nd day, S. E. Mich., '46.

Majmag—New Norfolk, Tas., '47.

Malta—Cedar Rapids, Ia., '44.

Margaret Beaton—E. N. Y. (Rhinebeck) and Ind., '40; Minn., '42; Sheboygan, Wis., '44.

Margot Elizabeth—Buller, N. Z., '46; Tasmania G. S. (Hobart), '47.

Marion Pearl—Champaign Co., Ill., '45, Del., '46; Winnipeg, East Harbor, N. Z., '47.

Marlene Both—Perth, West Austr., '44.

Marsden—Lyttleton, N. Z., '45.

Marseillaise—Wisc., '41.

Masterpiece—Christchurch, N. Z., '46.

Mid-America—Chagrin Falls, Ohio, '44; Second Ohio, '45. 1st and 2nd day Chagrin Falls, Ohio, '46.

Milford—Okla., '42.

Minstrel—2nd day, Ottawa, Ill., '44; Utah, '47.

Minuet—Springfield, Ill., '45.

Miss New Zealand—Wilkie, '41; Wash., '42; Champaign, Ill., '44; Littleton, N. Z., '46. Buller G. S., N. Z., Huntley Hort. S., N. Z., '47.

Miss Wisconsin—Wis. (state), '47.

Mother Machree—E.S.G.S., '40; C.G.S., '41.

Mrs. D. Both's Memory—Poverty Bay, N. Z., '46.

Mrs. E. Both—So. Austr. G. S., '40; West Australia G. S., '46.

Mrs. G. G. Errey—Hobart (Tas.) and Malvern (Vic.), '39 and '41; Tasmania G. S., '47.

Mrs. M. J. White—So. Australia G. S. (Port Adelaide), '47.

Mrs. Vic. Stevens—1st Pt. Adelaide, Australia, '44.

Mt. Index—W. Va., '47.

Myrna—Md, '39; E. N. Y. (N. Y. City)-'40; W. Va. and Pa., '41; Winnipeg, Midwest, Oshawa and Calgary, '42; W. Va., Midwest, C. G. S.,—Winnipeg, Blue Ridge (Md.) and Pac. N. W., '43; Md. and No. Mont., '44; Ind., Maine and Verdun, '45; Thunder Bay, '46.

Mystery—C. G. S.—Quebec, '44.

New Era—Midwest, '41; Champaign and Springfield (Ill.), '43; Springfield, Ill., '44.

New Zealand Splendor—Lyttleton, N. Z., '39; Mah., '41.

Normandie—Yakima, Wash., '46.

Ogarita—Ottawa (Ill.), '43; 2nd day, Cleveland, Ohio, '44; E. N. Y., '46.

Orchid Marvel—C. G. S., '47.

Oregon Rose—Sioux City G. S., '47.

Oregon State—E. N. Y. G. S., '41.

Peggy Lou—Cedar Rapids, '41; Utah, '42.

Pfizer's Masterpiece—No. Bay, (Ont.) '42; Miramar, N. Z., Onslow, N. Z., Palmers-ton North, N. Z., '47.

Picardy—Marion Co., Ind., and E.S.G.S., '41; Sask. and C. G. S.,—Hamilton, '42; Madison (Wis.), No. Minn. and Wyo., '43; Mont., '44; Hamilton G. S., Quebec G. S., '46; So. Calif. G. S., '47.

Phantom Beauty—Ill., '45.

Purple Heart—Regina, Sask., '45.

Purple Supreme—Conn., '46.

Ravel—2nd Haarlem, '45.

R. B.—Cedar Rapids, '42; Calgary, '44.

Red Charm—2nd Edmonton, '44; 2nd day Ohio, '45; Verdun, P. Q. and Maine, '46; also Guelph Hort., Saskatoon G. S., and 2nd day Peterboro, Ont. and Quebec G. S., '46; Chagrin Falls, (Ohio) and Vancouver G. S., '47.

Red Lory—Snohomish Co., '39; Maine and Yakima, '41.

Red Viking—Verdun, P. Q., '43.

Rewi Fallu—Hasting (N. Z.), Wellington (N. Z.), '39; 2nd Ohio, '41.

Rialgar—St. John's, N. Z., '47.

Salman's Glory—1st Haarlem, '45.

Sensation—Hamilton, '41.

Shirley Temple—Eastern N. Y. G. S., '39; Sheboygan, Ill. and N. E. G. S., '41. Grants Pass, Ore., '47.

Silver Wings—Pa. state (Greenville), '47.

Smiling Maestro—Wash., '41.

- Snow Cruiser**—Ohio, '41.
Snow Mountain—N. J., '46.
Southern Command—Wellington, N. Z., '47.
Spic and Span—Binghamton, '45; Ind. and 1st N. Y. C., '46; So. Minn., '47.
Spindrift—N. E. G. S., '47.
Spitfire—2nd Ohio, '42; same, Cleveland, Ohio, '44; Ohio, '45; Pa. and 2nd Ohio Show '46; 2nd day, W. Va. and Winnipeg, '47.
St. Edward—West Australia G. S., '46.
Stella Antisdale—Ohio, '39; Motueka, N. Z., '46.
Storm Cloud—1st show, Winnipeg, '47.
Storm King—2nd day Canterbury, N. Z., '46.
Strathnaver—2nd, So. Australia, '41; Ballarat and Croyden, '45. (Reserve champ, Mich., '46); Hastings, N. Z., and Dover, Tasmania, '47.
Sunspot—Binghamton, N. Y., Maryland, Metro. (N. Y. C.), '47.
Surfside—Md., '43.
Thriller—Mich., '41.
Tip Top—S. W. Va., '41.
Titan—Melbourne, '45 and '46.
Tivoli—4th Haarlem, '45.
Tunia's Beauty—So. Austr. G. S., '46.
Tunia's Mahomet—1st day Palmerston North N. Z., '45.
Tunia's Marvel—Takahuna, N. Z., '46.
Tuts Both—2nd day Palmerston North, N. Z., '45 and '46; Pa. state, '47.
Vagabond Prince—Algona, (Ia.), '40; Ames, '41; S. E. Mich., '42.
Vista Bonita—N. E. G. S., '42 and '43.
War Paint—Keystone state G. S., '47.
White Gold—S. E. Mich., '45.
Wings of Song—Iowa, '39; Md., '40; Nebr. and Ia., '42.
W. R. Reader—Calgary, '43.
Wuthering Heights—Hutt Valley, N. Z., '47.
Zuni—Grants Pass., '38; Thunder Bay, '40; Regina, '41; Algona and Yakima Valley, '42; Papatoetoe, N. Z., '46.
- Crystal** (E. Both)—So. Austr. G. S., '37.
Evangeline (Palmer)—Ohio, '46 and Metro., '47.
Glamour Girl (Burn)—Canterbury, N. Z., '46.
Gold Medal (Beardmore)—Minn., '47.
Hiawatha (Beardmore)—Ohio, '45.
High Finance (Wilson)—Mah., '37 (was also grand champion.) (2nd Show)
Hurricane (Evans)—Mah., '41.
Kawatiri—Wesport, N. Z., '44.
Kildonan—Winnipeg, '41.
King Click (Wilson)—Ohio, '40 (was also grand champion).
Laburnum (Almey)—Winnipeg (also grand champion), '39; Midwest, '42.
Lady Marion (White)—Binghamton, N. Y. and Empire (Cortland), '47.
Larime (Wilson)—Wellsville and 1st Ohio '42.
Madeleine Brown—(Maier) S. E. Mich., '44; (also Grand Champion).
Mid-America (Knierim)—2nd Ohio, '45 and '46 (also Color champ. and grand champ. at the '45 show). (Reserve champ. at the '46 show).
Peggy Lou (Wilson)—Pa. G. S., '37; Mah., '37 (also grand champion at latter).
Red Viking—(McDougall) Quebec, '42 and Verdun, P.O., '43 (also Grand Champion,
Regal Lady (Millard)—C. G. S., '47.
Siboney (Allen)—Ohio (Cleveland) and Chagrin Falls (Ohio), '47.
Sir Geo. Murray (E. Both)—So. Austr. G. S., '38 (also grand champion).
Snow Cruiser (Evans)—Ohio, '41 (also grand champion).
Sioux City Sue (Ayers)—Ia., '45.
Spindrift (Chase)—N. E. G. S., '46.
Spitfire (Evans)—Ind., '38.
Stella Antisdale (Evans)—Ohio, '39 (also grand champion).
Strathnaver—2nd So. Austr., '38.
Stratosphere (Barrett)—Can. G. S. '45. (Also grand champion).
Thriller (Evans)—Mich., '41 (also grand champion).
Tunia's Marvel (E. Both)—So. Austr. G. S., '40.
Victory Queen—(Wilson) Tri State, Wellsville, O., '41.

CHAMPION SEEDLING BLOOMS

Following seedling champions were not merely winners in their classes of certain types. They were champion seedlings, all types competing. Not many Prize Schedules make provision for this competition, it being most popular, apparently, in Ohio, Australia and New Zealand.

- All Glory**—N. Z. G. S., '44.
Black Cherry (Rich)—Ill. (Chicago), '46.
Blue Bonnet (Beardmore)—Ind. state and Tri state, '47.
Butterscotch (Langworthy)—So. Calif., '47.
California Rose—(Salbach) East Bay, '39.
Chagrin—(Evans) W. Va., '41; also 2nd Ohio show, Cleveland, Ohio, '43.
Connie G. (Woods)—Wis., '47.
Corsair (Snyder)—Mich., state, '47.

COLOR CHAMPIONS

The Ohio Society, which for many years has pioneered in the matter of adopting betterments for its flower, is the first society on this continent to adopt into its prize schedule the award COLOR CHAMPION OF THE SHOW.

Any judge, until judging is completed on the first day of the show, may bring to the "Color Champion" table any spike in the show which he considers worthy of inclusion

for consideration as Color Champion. This award reflects the endeavor of the society to search out and commend varieties whose introduction or prospective introduction contributes substantially to the betterment of color values in their respective color class.

D. Both's Memory—2nd Tasmania G. S., '45.

Drum Major—Tri State, Wellsville, Ohio, '45.

Firebrand—2nd Ohio show and Tri State, Wellsville, Ohio, '46.

Frances Irwin—Akron, Ohio, '44.

Great Lakes—Ohio, '46.

H. R. Hancock—Ohio, '43.

Mid-America—Ohio (Solon), '45.

Mrs. R. G. Errey—Tasmania G. S., '46.

Tunia's Delight—Ohio (Cleveland), '47.

Tunia's Mahomet—Tasmania G. S., '41 and '45.

Tuts Both—Cleveland, Ohio, '44; W. Va., '47.

BEST RECENTS, 1947 SHOWS

Black Panther at Ill. state (Springfield).

Cover Girl, Delaware.

Dieppe, Wis. (state).

Elegant Lady, Canadian G. S.

Firebrand, Ohio (Cleveland) also (Solon).

Huntress, Pa. (Pittsburgh).

Interseptor, Mich. (state).

Lady Luck, Minn. (state).

Maple Leaf, W. Va.

Mid-America, Chagrin, Falls (Ohio).

Oriental Pearl, So. Calif. G. S.

Pioneer, Ind. (state).

Silver Wings, Ill. (Chicago) and Pa. state (Greenville).

Spic and Span, So. Minn.

Spindrift, N. E. G. S.

Sunspot, Binghamton, N. Y.

INVESTMENT

Buying seemingly expensive bulbs of new introductions of proven merit is an investment seldom given proper consideration. A single medium (half size) bulb, an average from our list, will normally produce a spike approximately 70–80 percent of capability of a large bulb (not just 50 percent) and while doing it grow into a large bulb and produce on an average of 50 sizeable bulblets. In two more years of propagating one may well have 50 large, 200 medium, 500 small bulbs and 7500 bulblets. This expectancy has the earmarks of a good investment. But does it? Not unless two further facts are present. First, if the variety does not prove up to expectation and representation, the investment could be a loss of time and money. Second, and of equal importance, the relation of the quantity bought to the whole amount extant, or extant in America is vital. When

you invest \$1000 in a newly formed corporation you use care to ascertain if your \$1000 will net you 51 percent of the stock, or 10 percent or just 1–10th of 1 percent. Whale of a difference, isn't it, though costing the same. Same way with glads. Some introductions have been launched at beginning prices of \$5 to \$10 per bulb with 100,000 or more bulbs already propagated. Many more with little background of proven merit. What chance has your investment to prosper in such cases?

CANDID

We concede that a substantial part of gladiolus bulb buyers are attracted by colors which show considerable flecking, streaking, feathering and penciling. In this era of mass hybridizing by all and sundry, with Picardy as one parent, numberless glads with great vigor, great size and fine form are readily obtainable. But, usually, the Picardy throat brush persists, the color obtained feathers or deepens to outer edge or the color, if smooth, lacks clarity, brilliancy or saturation. There are and will be more and more such offerings by enthusiastic hybridizers awed by the form and size of their seedlings.

We regret to note that the large majority of judges fail to discount for poor color values, often not even remotely to the extent our standards for judging provide, but are likewise awed by form and size. As long as this situation persists it will remain an easy matter for hybridists with an eye to production of well grown show specimens to flood the market with muddy colors or streaky or unharmonious colors. Add a few good advertising superlatives and it may take the buying public several years to weed them out. We believe no glad is better than its color, however big and impressive it may otherwise be. If it lacks intriguing color value it cannot get into our list. Not even if it piles up a flock of grand championships.

As orders come in we keep a running inventory of sales vs. stocks, in order to be aware when a size or a variety is sold out. About May 1st we abandon this safeguard because of press of shipping work and preparation for our own plantings. On these late orders it is often difficult to know offhand if an item will hold out to the order number until reached.

SIZE OF BULB TO BUY

If economy be the aim, do not rely on small bulbs to give wholly satisfactory blooms. The small bulbs will all bloom but medium bulbs almost always give far better than "medium" sized spikes of the given variety.

Our descriptions usually indicate whether or not the variety is an exceptionally fine producer of blooms from the smaller sizes.

Commercially, bulbs are graded into 6 sizes. Size 6 is under $\frac{1}{2}$ inch diameter and other sizes range up every $\frac{1}{4}$ inch, the Number 1 bulb being $1\frac{1}{2}$ inch up. Catalogs commonly offer bulbs as L (large) (sizes 1 and 2) ($1\frac{1}{4}$ inch up); M (medium) (sizes 3 and 4) ($\frac{3}{4}$ to $1\frac{1}{4}$ inch); S (small) (sizes 5 and 6) ($\frac{1}{4}$ to $\frac{3}{4}$ inch) and Blts (bulblets, the little hard shelled cormels which cling at the roots of the bulb).

The size (bulk) of bulb you purchase determines the amount of food with which you are starting to produce a given spike.

TERMS OF SALE

Cash with order.

Delivery after April 15th (normal beginning of mild weather hereabouts) prepaid in U. S.

NOTE: Bulb deliveries requested and made before April 15th will go post paid or express, transportation charges Collect, at our option, governed largely by weather and package size. Express charges vary with weight of parcel and distance, of course, but we would estimate the average cost of the average parcel will be roughly around 50c. If sent Express Collect we will, of course, add stock of value to exceed the express charges.

Replacement or refund purchase price any bulb, root, plant or seed that does not prove true to name or does not arrive in condition herein represented. Bulblet and seed germination are not guaranteed.

No substitutions will be made.

Orders received until planting but subject to stock being unsold. To get proper propagation of new sorts, it does not pay us to hold for further sale bulbs and blts priced only per each beyond May 1st. Order early. Our selling season is very short.

BULBS: 6 may be ordered at 5 times the single price. 12 bulbs at 10 times single price. 25 bulbs at hundred rate if such is given, otherwise at twice the dozen rate.

BULBLETS: Any amount at the rate offered.

Please be mindful that, under present conditions, items under about 15c are filled at a loss.

Delivery prepaid to foreign countries in the Postal Union having the usual 14c per pound rate, provided war restrictions of one kind or another does not bar such delivery except that purchases at 100 rate prices should add at rate 50c per 100 for large bulbs and 20c per 100 for medium sized bulbs.

Notice to Canadian Customers

The \$5.00 cash ceiling heretofore placed upon your import privilege has been removed. Apply to the Secretary of Destructive Insect and Pest Act Advisory Board, Dept. of Agriculture, Ottawa, Ont., for permit and mailing label.

NOTE: For key to Series—size and color classification, see Page 4.

Our stocks of many new items in our list are rather limited, with no sudden methods of acquiring more. Our catalog usually issues about February 10. We feel entitled to consider our very regular customers.

We may restrict quantity purchase of items in very short supply for one month.

WHITE—00 Series

500 AVIATRICE (Sjerps) (our '47 import release) M. (midseason). A Picardy color sport from Holland. The white is a bit sulphur toned. Florets slightly ruffled. Our entry at East Liverpool show, '46 beat several good spikes of Leading Lady. Picardy size and habits.

Each L (large) \$1.00 M (medium) .75 S (small) .50 Blts (bulblets) .08 (100, \$6.00) (1000, \$40.00).

500 BARBARA SCOTT (Salman '48) (our '48 import release) M. Real snow white, absolutely no markings. Enormous flowers on exceptionally long spikes, on extremely strong, long and straight stems. Habits satisfactory and should become a fine show bloom and cut flower. Note the speed of this release. We are practically offering to share our planting stock with our customers in order that they may be among the first to grow this exceptionally fine variety. Supply limited. Each M \$4.00 S \$4.00 (no dozen rate).

400 FLORENCE NIGHTINGALE (J. W. Harris '47) M. Clean white, shading into creamy throat. While not the chaste white of Vrede, the color is very acceptable and all of its habits appear to make it a very outstanding variety. Florets are $4\frac{1}{2}$ -5 inches, slightly ruffled, 8 and more easily open on flowerheads close to 30 inches long, plants $5\frac{1}{2}$ feet tall, up to 21 buds. The vigorous growth, straight spikes in extremely hot weather, excellent propagation from plenty of large bulblets, practically all of which bloom into sizeable spikes if given room, mark the variety as a coming popular commercial. Will rate high in coming Canadian G. S. Symposium. Each L \$2.00 M \$1.25 S .75 Blts .15.

501 GRACE MOORE (Salman '48) (our '48 import release) E. Very early. This is a seedling of Salman's Glory and has maintained the huge size of the latter. Pure creamy white, shading through a very light blush into a dazzling orange scarlet throat. It has a wonderful spike and very long, extra strong and straight stem. First time shown in Holland in

'47 so it will take several years as yet to collect its various possible awards. Here again we are really offering to share a very limited propagating stock with a few of our customers desirous of obtaining an opportunity of appraisal of a highly rated new variety a year or two ahead of normal introductory date.
Each S \$7.50 (no dozen rate).

400 IGLOO (Butt '45) M. Smooth petalled, purest white, faint cream marking in throat. No color flecking in bad weather. Straight, tall, hard spikes with about 2 foot flowerheads, 6 or more open, 5 inch florets with good placement and attachment. Shy on bulblet production with us, otherwise grand cut flower habits.
L .40 M .30 S .20 Blts .04.

501 MRS. M. J. WHITE (Both) (our '47 import release) M. Gigantic pure white with a very small violet throat mark. Well grown, blooms may be had up to 10½ inches. The largest glad we have offered up to 1948. The color is clear although we have had a couple of reports of a faint flecking of violet under adverse circumstances. The substance is good and we were relieved to find that the originator's report of good attachment on so big a glad appears to be true. Round, flat, wide open florets. Placement has continued excellent, even on spikes from bulblets. Our blooms from bulblets have reached 7½ inches, 7 open. See illustration. Supply is still limited and there is no hope that we have enough large bulbs to go around. Also, we reserve the right to limit quantity purchase of bulblets if it appears that, otherwise, many small lot purchasers would have to go without.
Any size bulb, Each \$5.00 Blts .50.

500 MT. KOSCIUSKO (Both) (our '47 import release) E. Purest white, no markings. Giant plants and bloom seem unstoppable. 8½-10 inch diameter depending on care given. Six foot tall even when poorly grown. Wide, round florets with individual petals 4 inches across. Florets face up a bit and do not flare out to their fullest extent, unassisted. See illustration of these florets on spike grown from a bulblet. We have seen white bud color protruding over 6 inches out of bud sheath on spikes from small bulbs. Attachment is as good as should be expected of such a giant but it is not equal to that of Mrs. M. J. White. This is a fast propagator so the prices are already within reach.
L \$2.00 M \$1.50 S \$1.00 Blts .20 (100, \$12.00) (1000, \$75.00).

"Mt. Kosciusko is probably the largest and tallest white in commerce. Florets are huge, perfectly round and without any artificial help will grow 8½ inches across." C. J. Coates, Victoria, Australia.

"This was my 26th year of growing gladiolus. Without any doubt the biggest thrill I ever had was the morning in August when I found Mt. Kosciusko in bloom. SUCH a giant. First bloom was 8¼", 65" tall; on second day after cutting 7 open out of 19 buds and a 34" flowerhead. The texture was remarkable for so big a bloom. How much better did you have it?" W. J. Dittman, Mich.

500 ROYAL WHITE (Holland '48) (our '48 import release) M. A pure silvery white Picardy seedling. Healthy grower and prolific propagator. Florets about 6 inches on tall, strong and straight stems. Hollanders consider it superior to Leading Lady for color, size and growth but, since the color differs, it will be up to individual taste. It could be possible that the lively white of Royal White may please as many as the hard, dead white of Strathnaver. At any rate, we are doing our share to enable many of our customers to be among the first to grow and appraise this beautiful variety a year or two earlier than has been custom and at a price that should surprise everybody.
Each M \$1.00.

500 SNOW CRUISER (Evans '43) E. An immense super giant, with round, smooth, wide open, snow white florets of 7 inches or more, holding their size with very little diminution up the spike. 7 open is normal but is has been shown with 11. Good propagator, makes grand blooms from the smaller sizes and frequently from bulblets. Considering its immense size, the attachment of all florets with occasional exception of bottom floret is reasonably satisfactory. Has proved itself to be a potential section or grand champion for any show. We have concrete evidence, many times confirmed, that Snow Cruiser imparts giant size to its seed progeny and the resultant color when used as a pollen parent strongly favors that of the seed parent. Mid-America is a currently published example.
Each L \$1.00 M .75 S .50 Blts .08 (100, \$5.00) (1000, \$30.00).

"A bouquet of Snow Cruisers which I sent to the President created a sensation. They had never seen anything like it and they all wanted the bulbs." Dr. J. J. Marek, Honduras.

"Snow Cruiser—what a glad. I had only bulblets but one bloomed like a million dollars, the spike had 13 buds, held 5 open at a time, the first bloom was 5¾ inches dia. and the cleanest and finest white I ever saw in any glad. It was really outstanding and I had a lot of comments on it." 9-12-'43. J. L. H., York, Pa.

"A bulblet of Snow Cruiser gave me the largest growth I ever saw from a bulblet—nearly 5 feet tall with 14 buds (taller than the bloom from the 2 bulbs I had). It sure is a giant and beautiful." 12-1-44 G. T. B., Shelbyville, Ill.

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

500 STRATHNAVER (Peattie) (our '47 import release) M. This is the most sensational dead white gladiolus we have ever seen. Can easily be grown without expert care 66 inches tall, 7 inch florets, 9-11 wide open, pure, hard, glistening white from No. 3 medium bulbs. Powerful, straight, self supporting spikes. This is not only the best white we have seen, by a wide margin, but we are also inclined to believe it is the world's most outstanding gladiolus of any color, bar none. We watch the white introductions around the world very closely and we aim to list the best of them in our Guidebook, at as early a date as possible, in order that our customers may be among the first to have them. That is why we do not stop listing more white varieties now that we have listed Strathnaver. This variety is only a medium propagator though bulblets, once obtained, grow well and there is little hope, for years to come, that all of us will have all the Strathnaver we want. Meanwhile, some of the newer ones will pass it in propagation, may be almost as good, or coupled with good propagation turn out to be considered a better white. Time will tell. Spikes from large bulbs carry 21-28 buds. Our seed crosses on Strathnaver form the largest pods we have ever seen, only those on Grand Opera approaching them.

Grand Champion in South Australia just before the war. In '45 best white in two Tasmanian shows and several in New Zealand. In '46 a spike from a No. 3 bulb meeting the above dimensions was Recent Introduction Section Champion also Reserve Champion of show, Mich. state. In '47 two more champion whites in Tasmania, firsts at Metropolitan and Tri-State, "Largest Floret" at So. Minn. and Reserve Champion at St. Elmwood (Winnipeg), this spike also grown from a medium bulb and we carry an illustration. Each L \$5.00 M \$4.00 S \$2.50 Blts .50 (10, \$4.00) (100, \$30.00).

"I cannot praise Strathnaver too highly. It was probably the best of the more than 50 new kinds I tried out this season." Lee M. Fairchild, N. Y.

"My son bought Strathnaver and Mid-America from you last spring and in my 20 years of growing glads I never saw anything to approach them." Christopher James, N. Y.

"Strathnaver is everything Herb Evans states in his 1947 catalog." G. Griffiths, Hon. Sec., Tasmania Glad. Soc.

"I purchased a medium bulb of Strathnaver from you. It bloomed in time for the St. Elmwood (Winnipeg) show. It won first in Sec. 1, snapshot enclosed (here reproduced.) It had 22 buds, 27" flowerhead, 8 open, 7 inches "as is" diameter, the whitest glad I have ever seen and attachment was very good." J. H. Pottage, Man.

"Being my first show (Wis.) and travelling over 300 miles, I did not take any blooms. If I did I would have taken the works with my Strathnaver that I should have brought." E. F. McQuade, Wis.

"Guess I will have to sell my body to some Medical College so I can get some Strathnaver, Mrs. White and the new 12 inch variety." R. R. Kellish, Fla.

"Just received word from my old friend, William Harris, that Strathnaver was an exceptionally fine glad in every respect. For 16 years I have found that when William Harris says a glad is good, it is good." A. J. D. Lake, Ont.

"When I saw Strathnaver at the Ann Arbor show (Mich. state) last year I made up my mind I'd have it even if I had to mortgage my law library. Enclosed find Order." A. L. Konczal, Ohio.

"Of the new ones—Strathnaver the most astonishing." Paul V. Baker, Oregon.

300 TUNIA'S SNOWBALL (Both) (our '47 import release) E. Very early, 60-65 days. Extravagantly beautiful, well ruffled, spotless pure white. A superb little glad but a poor propagator. Award of Merit, Ohio Society. Each L (3 blts with each L) \$1.00.

400 VREDE (Peace) (K & M) (our '48 import release) M. A Silentium seedling. A very pure white color, buds as well. 4½ inches and larger, slightly ruffled and the uniformity of well placed and spaced florets makes a group of them a sight to behold. The stem is strong and wiry. The number open, 8-10. A very healthy grower and a good propagator. We consider that it outpoints Myrna in color, spacing and health. The spikes have an arresting elegance. We credit this variety with good show prospects and a fine cut flower future. Excellent blooms from small bulbs. Each M \$2.00 S \$1.50.

CREAM—06 Series

507 CORONA (Palmer '40) M. The classification committee is still kicking this variety around. We declare it to be primarily a cream base with too little rose cast to consider calling it rose or light pink. But it does have conspicuous marking, not in the throat but in a rose picotee edge that varies in intensity under different growing conditions. Regardless of what color you call it, Corona is one of the world's most outstanding all-purpose glads. L .10 Blts (100, .30).

406 JOE STALIN (Both) (our '47 import release) LM. We did not name it and it is not red. One of the tallest glads, over 6 feet not uncommon and one of the longest flowerheads, 33-40 inches. Can hold 12 open, 4½ inches and larger florets, perfectly round, clean cream, deepening to yellow in the throat. Has already entered the "grand champion" columns and won several awards for "longest flowerhead." Propagation has proved prolific beyond our imagination so that these prices, advertised some months ago, seem higher than necessary and we will overcount accordingly on medium and small sizes. L \$2.00 M \$2.00 S \$2.00 Blts .25 (100, \$12.00) (1000, \$75.00).

506 LEADING LADY (Johnson '42) M. Tops the last Canadian Symposium, having displaced Red Charm. Maybe it will stay at the top two more years. There may be better glads but the world in general does not yet know it. The light cream Picardy sport which has taken the world by storm. See our Grand Champion and Winner-Symposium tabulations for a resume of its most important winnings. Even our price is attractive. Note L is only 12½¢ each in dozen lots. **L .15 M .10 Blts** (100, \$1.00) (1000, \$5.00) (quart, \$20.00).

507 SALMAN'S GLORY (Salman) (our '47 import release) E. The supreme beauty of the giant, blotched varieties. Pure, unflecked light cream, paling imperceptibly to white at petal edge with a spectacular, solid carmine mark surrounded with a strong yellow which blends out into the cream basic color. Early giants are uncommon, but this variety does not stop there. Superlatives apply to its color, its every trait and habit. It can well be we are discussing the world's greatest glad. Personally, we are partial to giant, blotched varieties with clean colors and good color harmony. If we had to be reduced to growing but one variety, then Strathnaver, Mid-America, Leading Lady and all the rest would surely go overboard and we would grow Salman's Glory. We are not just trying to say pretty words. Variety descriptions are a very serious business with us. (It might interest you to read our first description, in last year's Guidebook, drawn from a limited growing experience.) Florets are smooth petalled, open full and round, wide and flat, diameter around 8 inches (10 has been claimed in Holland). 6-8 open, with 5 or more buds above in color, total buds 18-24. The stem is thin but wiry and strong and straight. One of the few varieties that completely resisted the terrific hail storm we had last season. Height around 66 inches. Vigorous and healthy grower. One of the very best propagators in existence (accounting for our amazing price reduction).

In Holland it was Grand Champion and received Award of Merit in '45. Was Champion Blotched Variety and received First Class Certificate in '46. Over here in '47 it obtained firsts at Ind. state, Minn. state, Pa. (Pittsburgh), Wis. state, Sioux City, Iowa, Ohio state (our entry), Winnipeg and at Sheboygan, Wis., it secured 2 firsts and 500 series division champion. The memory of second day visitors to our great Cleveland show will

long linger on a vase of seven, freshly cut, stupendous and indescribably beautiful specimens. (On the first day we had but the one winning spike.)

Our prices we are deliberately making highly competitive, in order that all of our customers, we hope without exception, may be among the first to grow and see this flower, if only from a medium or small bulb. We have plenty bulbs to go around, particularly in medium and small, if quantity buying doesn't get too heavy. Each **L .30 M .20 S .10 Blts** (100, \$1.00) (1000, \$8.00).

"Salman's Glory from Holland, as grown by Herb Evans, was a pleasure to behold." Jim Mason "Ill. Notebook."

407 SINCERITY (Errey) (our '48 import release) M. "The find of the season" says J. P. Jones, Gladiolus Correspondent, Australian Garden Lover. The ground color is cream, the lower petals being a deeper cream with a soft light scarlet blotch, a striking color harmony. Florets, beautifully waved, are 5 inches or more, of good texture and can carry 10 open in full double row placement unless forced, when the spike stretches the florets a bit further apart. In either event the regularity of facing and spacing is obviously excellent. The color very refined. Our starting stock was very small and our present supply very limited but our experience indicates that it "propagates like a weed." Each **L \$5.00 Blts** per unit of 10, \$5.00.

YELLOW—10 Series

511 CHAGRIN (Evans '45) M. The beauty of the individual floret is what induced us to introduce it. The spikes are not as tall as we would wish them and perhaps to maintain good proportion the number of buds is below average. The color is soft, clear, lively primrose yellow with red markings in the throat. The heavy creases and the tapering points of the petals add greatly to its beauty. It has had champion experience. Champion seedling W. Va., '41. Same at Ohio (Cleveland), '43. Reserve champion Chagrin Falls, '43. Each **L \$1.00 M .60 S .30 Blts .05** (100, \$3.00).

310 CUT UP (Wilson '42) L. Clear, brilliant color, medium yellow. Starry florets, beautifully ruffled, fluted and lacinated. Placement wide and airy. Very decorative. Supply limited. **L .20 M .15 Blts** (100, \$1.00).

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.
Blts any amount at rate offered. Delivered Prepaid in U. S.

512 GARDEN GOLD (Rich-Evans '48) LM.

Mr. Rich, who is famous for his "Big Top" and many other good varieties, has "struck it rich" this time, we suspect, with his beautiful giant, deep yellow "Garden Gold." Six inch florets of golden yellow, slightly deeper in throat. The color is always pure and clean. The florets are lightly ruffled, with frilled edges adding to their beauty, of good texture and attachment, well faced and spaced on tall, straight, strong spike. 60 inches tall, 26 inch flowerheads, 17-19 buds, 6 or more open. Medium propagator. We consider Garden Gold, together with Java and Golden Favorite, so far outclass all other giant clear yellows that they are beyond comparison except among themselves. There exists a larger stock of Java than of the others. Very likely more Golden Favorite than Garden Gold. Undoubtedly, more growers have put their OK on the two Holland varieties because of their joint trial garden but to us the three are a toss up, or very close to it. Mr. Rich established his \$5.00 price without knowing the others are double, and beyond that for large size. What we are trying to say is that we think this should be selling for \$10.00 per bulb. Each **L** \$5.00 **M** \$5.00 (no dozen rate) **Blts** per unit of 10, \$5.00.

512 GOLDEN FAVORITE (Salman '48) (our '48 import release) E. Very early.

Intense, deep golden yellow, enormous florets, slightly ruffled on exceptionally long, very graceful spikes on extremely strong and straight stems. This is evidently the best yellow yet to come out of Holland, even surpassing Java. We had hoped to keep the \$10.00 figure out of our list this year but this early offering to our customers borders on the premature, since import releases have usually followed foreign introduction by two or more years and we are really just offering to share our limited propagating stocks. Each **S** \$10.00 (no dozen rate).

512 JAVA (Salman '47) (our '48 import release) M. Very rich and brilliant yellow of giant size holding up to 8-10 open 7 inch florets on 55-60 inch tall spike. It will become a sensational exhibition variety and an ideal cut flower and is already in demand the world over because of its reputation already gained in Holland and England. Number 5 bulbs sold in Holland last year for \$24.00 each and bulblets \$6.00 each at wholesale and a normal mark-up for introduction here last year was just about out of the question. Each **M** \$10.00 **S** \$10.00 (no dozen rate).**511 SIR GALAHAD** (Salbach '38). Late.

A study in contrast. Soft, rich, clear creamy yellow with a diamond shaped blotch of rich crimson. 6 inch florets, a bit recurved, 6 or more open. Has been a constant prize-winner and its popularity increases with the years. Patented, so increase cannot be sold without permission of Mr. Salbach. **L** .35 (3-\$1.00) (12-\$3.50).

312 SOLID (Both) (our '47 import release).

EM. Pure, deep, glistening yellow, with florets of medium size a bit ruffled and fluted. The color is lively, the flowerheads stretchy, with the buds separated nicely in early stage of bloom. Attachment good and we think it has excellent commercial prospects. Each **M** \$2.25 **S** \$1.50 **Blts** .30.

413 SPOTLIGHT (Palmer '44) E. Clear,

medium-deep golden yellow with a small feathered blotch of scarlet. Large blooms, about 6-7 open and about 18 buds. The color is extremely attractive and the plant is strong and vigorous, producing plenty of large bulblets that grow unusually well and often bloom. Rates 8th best glad, Canadian '46-7 Symposium. Opens well when cut in tight bud. Do not confuse with variety "Stoplight." **L** .50 **M** .35 **S** .20 **Blts** (100, \$2.00).

BUFF—16 Series**517 HELEN OF TROY** (Salbach '39) LM.

Recognized ever since introduction as one of the world's greatest glads. A beautiful, golden buff apricot, with a slight overtone of pink and a prominent, brownish throat in excellent color harmony. Florets are wide open, round, 6-7 inches, 7-8 open, 25-27 inch flowerheads, close to 60 inches tall. Always straight. One of the strongest stems to be found on any glad. During the '44-45 period it rated as 6th best gladiolus in Canadian Society symposium. Patented, so bulbs may not be resold without permission of Mr. Salbach. **L** .35 (3 for \$1.00) (12 for \$3.50).

416 HUGH PRICE (Both '46) (our '48 import release) M. The color is thoroughly clean. A pale buff, slightly salmon toned, blending into yellow throat. Florets all but perfectly round, about 4½ inches and larger. To their beauty of color is added beauty of form, being well ruffled and ribbed. Makes grand spikes with 8-10 open in full double row placement. Each **L** \$4.00 **M** \$3.00 **S** \$2.00 **Blts** .50.

- 416 STRALIA** (Both) (our '47 import release) M. Color is clear, unmarked, salmony buff, brilliant. Here is a glad to watch. Its ruffling is superb and its clean, beautiful color is outstanding. Large but not a giant. Tall but not too tall, 55 inches. After two years of growing a minute bulblet starting stock, it has begun to expand like an atom bomb. So next year we expect to have enough to go around. All of its habits, stem, substance, placement, attachment, bulb health, germination, etc., appear to be far above "satisfactory level."
Each L \$2.00 M \$1.00 S .50 Blts .10 (100, \$6.00) (1000, \$30.00).

ORANGE—22 Series

(Incl. yellow orange and red orange)

- 423 ALL GLORY** (Toon) (our '46 import release) E. A novelty gladiolus as to color. Deep, tangerine orange, spectacularly blotched purple, overlaid cerise with a single rib down center of lower petals. Beautifully ruffled. Color is fast, florets are of leathery texture, propagation is easy and good and sizeable spikes are frequently had from bulblets. Good commercial habits.
Each L \$1.50 M \$1.00 S .50 Blts .15.

- 524 BOBBY DAZZLER** (Both) (our '42 import release) EM. Has great intensity of color, brilliantly clear, velvety red-orange with deeper throat mark. In spite of occasional slight burning if allowed to bloom on plant in extremely hot sun the variety has built up an enviable reputation both as a show bloom and cut flower. Florets are wide open, $5\frac{1}{2}$ - $6\frac{1}{2}$ inches diameter, 5-7 open, well spaced on the stem.
L .20 M .15 Blts (100, \$1.00) (1000, \$5.00).

"Bobby Dazzler, from bulblets, was wonderful! A living spire of red orange flame." M. A. E., Appleton, Minn.

- 421 DAZZLER** (Both) (our '40 import release) M. The greatest dazzler for color we have seen. Vivid, dazzling scarlet orange with sizeable darker throat, Slightly ruffled. Five inch florets, 9-10 open, 22 or more buds, double row placement. Color bleaches if allowed to open in field in hot sun. Has entered the grand champion records.
L .30 M .20 Blts (100, \$2.00).

- 522 TUNIA'S DELIGHT** (Both) (our '47 import release) M. As beautiful and refined a glad as we have discovered in many years. Clear, liquid, deep orange of huge size with a narrow, perfect blue margin around the edge of every petal, a marvelous beauty able to open 8 at one time. If well grown, many bulblets bloom and make very sizeable bulbs. Though available to purchase but a short time and then only at high prices, it has, nevertheless, crowned itself with glory by obtaining the Color Champion Award at the large Ohio (Cleveland) show. At both this show and the later Ohio (Solon) show it received firsts in its color in the Recent Introduction sections, '47. Supply limited.
Each L \$3.00 S \$1.50 Blts .30.

- 422 TUTS BOTH** (Both) (our '43 import release) EM. Deep pastel orange, suede finish. Between 03 and 04 on Fischer Color Chart. Has a very small blue tongue, a color rarely found in glads in combination with orange. $5\frac{1}{2}$ inch and larger florets, wide open, rigidly held, excellently placed. Not even a small percent of crooking. Can do some fading if opened out on plant in severe, hot sunlight. Has had two Awards of Merit by Ohio society, was Color Champion at Ohio (Cleveland) '44; in '47 W. Va. gave it a double Color Champion award as both daylight and artificial light winner. Frequent winner of various special awards and was also Grand Champion, Pa. state (Pittsburgh) '47. See color plate on back cover.
L .50 M .30 S .20 Blts (100, \$3.00) (1000, \$15.00) (pint, \$30.00).

"Tuts Both is an orange Picardy." Winston Roberts, Idaho.

"Tuts Both is the first big large flowered variety we have seen that is not only called orange, but is orange." Claude Piesse, West Australia.

LIGHT SALMON—30 Series

- 430 ANN STRALIA BOTH** (Both '45) (our '47 import release) M. Outer area clear, delicate salmon shading imperceptibly to clear, golden yellow. Beautifully ruffled. Double row placement to perfection, which includes facing, spacing and attachment. One of the world's most beautiful glads.
Each L \$3.00 M \$3.00 S \$3.00 Blts \$3.00 per unit of 10.

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

430 GERALDINE (D. S. Pruitt) Very early. Color is rather similar to that of Marlene Both but not as brilliant as the latter. Light, creamy salmon pink. Geraldine has ideal cutting habits, with double row placement on medium tall spikes. Opens 8 well ruffled florets in the field with ease. Fast propagator
L .35 M .20 S .15 Blts (100, \$2.00) (1000, \$12.00).

430 MARLENE BOTH (Both) (our '43 import release). Very early. Easily one of the most beautiful of all glads. A glorious, brilliant yet delicate, creamy salmon pink with perfectly blended deep, creamy buff throat. Color never blemishes. Beautifully ruffled, adding to its outstanding decorative qualities. Long, stretchy spikes. Has had several top honor awards such as best recent introduction, best Australian introduction, grand champion and "most beautiful bloom in the show." All habits well above the "satisfactory level" except an occasional small amount of crooking under extremely bad conditions. Fast propagator.
L .50 M .35 S .20 Blts (100, \$3.00) (1000, \$17.50) (pint, \$25.00).

530 MRS. E. BOTH (Both) (our '43 import release) EM. Until the advent of Tunia's Wizard and Tunia's Aristocrat, the most sensational super exhibition glad ever sent out of Australia, where it received the first First Class Certificate ever issued by the S. A. G. S., '40, with a top rating of 95. A perfect color blend of liquid clear, light orange pink with harmonizing, clear, deep cream throat. Shows a wonderful saturation of color. Florets round petalled, wide open, from 6-7½ inches in diameter, rigidly held on flowerheads that range from 30-42 inches. 9-12 open, 24-26 buds. When well grown and forced with heavy watering, assisted perhaps with a "shot-in-the-arm" type of fertilizing only between bud and bloom stage, you have a chance of producing the largest bulk of bloom yet produced on one spike, comparable to the one in our illustration. Each **L \$3.50 M \$2.25 S \$1.50 Blts .30** (100, \$20.00).

"Let me first tell you that I think your catalog is a masterpiece. I don't suppose that any of us, who have come to look forward for it each year, realize the vast amount of headaches involved in collecting and tabulating the data. To me it is an important part of the Glad cycle each year and is sincerely appreciated." D. W. M., Bradford, Pa.

"While in Customs getting the lot of bulbs from you I met our Canadian Inspector and he told me that the lot I was in for (your shipment) was as fine a lot as he had ever examined and every corm a perfect one in being absolutely free from defect, thrips or disease of any kind. That was getting real value for my money, particularly in view of the fact that your overcount and extras more than made up for the exchange, duty and express incurred." J. W. McL., Ottawa, Ont.



Mrs. E. Both
A 42 inch flowerhead

DEEP SALMON—32 Series

533 BOLDFACE (Evans '47) M. Color is brilliant and very attractive. Very deep salmon pink with an almost black red brush on clean white throat, very spectacularly blotched. Ruffled florets that run a bit over 5½ inches though we were amazed to see a floret grown by Mrs. Kidd of Newmarket, Ont., over 7½ inches. Opens up to 8 in field, 9-11 when cut, 20-21 buds. We have heard of one spike crooking in Tenn., but we saw a number of spikes standing straight and fresh at three places in Canada last summer in the most terrific heat we have ever encountered, running from 108 to 120 degrees in the sun. Plant growth is vigorous and foliage stands 30-36 inches high, height 66 inches. Florets well attached, make uniform, double row placement. Propagation is good.

In '46 Ohio (Cleveland) won American Home Achievement Medal also O. S. G. S. Award of Merit. At Chagrin Falls also won O. S. G. S. Award of Merit. At East Liverpool, section champion and champion 3 spike bloom of the show. In '47 it won firsts at So. Minn., Pa. state, Ohio state (Cleveland) Ohio state (Solon), Iowa (Ames). At Chagrin Falls we entered an extra fine spike of Dieppe and had the good fortune (?) of beating a grand spike of Boldface entered by Mr. Colbert.

Each L \$5.00 M \$5.00 S \$5.00 Blts .50.

"Herb Evans' Boldface is truly a 'wonder' glad." Bob Knopf, Oregon.

"Boldface was very fine here. Good and straight and OK with me." Dr. C. M. Evans, Ed., So. Calif. G. S. Bulletin.

"My number 2 thrill was Boldface—this surely makes a giant plant, the leaves 3" across, the spike stem as large as my thumb and strong as iron. First bloom 5¾", 20 buds, 7 open, 55" tall and every inch a picture of robustness. The color is most appealing and have you seen it under artificial light? Try it." W. J. Dittman, Mich.

432 DIEPPE (Hassal '45) M. Deep, red salmon, blotched deeper. Slightly waved and ruffled. Excellent cut flower habits and fast propagator. Very attractive, not far from that of Harmau. The records say we beat a very fine spike of Boldface at the Chagrin Falls show, '47 with a fine spike of Dieppe!

L .50 M .35 S .20 Blts (100, \$3.00).

332 LIBERATION (Colyn '46) (our '48 import release) EM. A very good deep salmon with warm orange shading, yellow mark in throat. Up to 10 open and 22 buds, on long, graceful spikes. Stem length medium, but strong, wiry and straight. After tests in Florida, proving, among other things, that it is a very good shipper, sizeable amounts of stock have been sold to a number of Florida growers. It is from cross, Picardy x Bit o' Heaven. Fast propagator. Our introductory prices should not prove to be much of a bar should you wish to appraise it in your own garden.
Each M .35 S .25.

432 SPITFIRE (Evans '43) M. Color is clear, iridescent, rosy toned salmon, white throat marked with several small cherry lines. Opens 8-10 slightly ruffled 5 inch florets. Powerful plant, strong stem, no crooking, bloom long lasting. Propagation medium, otherwise good cut flower qualities. Has won medals, cups, seedling and grand championships, five different Awards of Merit. Australian catalogs call it "America's Perfect Exhibition Glad." With Dieppe it has topped its color section in the last Canadian Symposium. Bulblets run small and because we get no large and not too many medium bulbs with one year's growing, we never have enough stock to go around. See illustration. Its ability to win occasional second day grand championships (as W. Va. and Winnipeg, '47) shows its stamina. See its ratings in our various tabulations elsewhere in this Guidebook.

In extensive trials by Florida State in '47, Spitfire turned out to be one of but six varieties found to be both a desirable commercial variety and also resistant to the "leaf spot" disease so prevalent in Florida and California under humid conditions.

L .60 M .40.

"Spitfire is a pink of unusual shade with great carrying power and makes fine spikes." G. E. M., Lebanon, Ore.

"Spitfire has 'carchy color' and makes stretchy, straight, well placed spikes." Group Test Report, Canada.

"My Spitfire took second day champion at Winnipeg show. Temperature was nothing short of roasting and most blooms took a beating but Spitfire took it 'standing up' with 8 open, 23 buds, 28 inch head straight as a ramrod. Mid-America and Miss Wisconsin were not far behind." J. L. Pateman, Man.

"You are doing a swell job for the Societies. The Maine Society appreciates it." Carl M. P. Larrabee, Maine.

"Just received your Guidebook. I always enjoy reading it and find the information it contains almost as valuable as the Canadian G. S. Annual." A. R. Buckley, Ont.

432 TUNIA'S FANCY (Both '46) (our '48 import release) M. One could rate this No. 1 for sheer beauty and not be far off. Exquisitely ruffled, medium deep orange pink. Clean color. The florets are rigidly held, well placed on stretchy spikes, medium tall, about 50 inches. Our starting stock was very small and priced very high "down under." Our experience on propagation fairly good but not prolific. Each **L** \$10.00 **M** \$7.50 **S** \$5.00 **Blts** per unit of 5, \$5.00.

432 WATERMELON (Evans '48) LM. The name describes the color so perfectly that little remains to be said. It is definitely a deep, pinkish salmon with a small cream mark in the throat. Florets $4\frac{1}{2}$ inches and larger, 6 and more open, strong, stretchy spikes about 52 inches high. Good propagator. With habits well above average and color decidedly "different," we believe there will be a place for Watermelon. Derived from the cross Bobby Dazzler x Sir Galahad, a "hot" cross we have several times listed and from which many of our customers have seedlings of merit. One was seedling and color champion at the Solon (Ohio) show, '47. We are making a very low introductory price in order to assure a prompt distribution. Each, any size bulb (state preference), \$1.00 (no dozen rate) **Blts** (per unit of 10, \$1.00).

SCARLET—36 Series

437 CARNIVAL (Butt-Evans '47) EM. Bright, dazzling scarlet with clear white throat. Exhibition quality spikes are regularly produced and it opens 7-10 well placed florets at once. Attachment and substance are good and one spike is a bouquet in itself. Color is uncommonly attractive and the variety is well named. We joined in its introduction without invitation. We asked for the privilege having grown it as a seedling on test. Each **L** \$3.00 **M** \$2.00 **S** \$1.25 **Blts** .25.

536 DESTINY (Butt '43) M. Very tall, strong spikes of bright "house afire" orange scarlet with white arrows in throat. Florets not much above the $5\frac{1}{2}$ inch size. The plants are powerful and though only a medium propagator with us we rate it an excellent cut flower. **L** .30 **M** .20 **S** .15 **Blts** (100, \$1.00).

536 MRS. ALICE B. STREET (Both '46) (our '48 import release) M. Warm orange scarlet with deeper red throat mark. Color is clean except for one cream pencil line on lower petal. Makes double row, exhibition type spikes, about 50 inches tall with large, ruffled florets of $5\frac{1}{2}$ - $6\frac{1}{2}$ inches, well placed and having tight



SPITFIRE

attachment to a very stiff stem. Our starting stock was small and we are sorry we do not have a large stock. What we obtained has propagated fairly well. Each **M** \$3.25 **S** \$2.00 **Blts** .50.

436 PFITZER'S CENTURY (Pfitzer) (our '47 import release) L. A light scarlet masterpiece. Color is clean. Holds 8-10 wide open, large florets on tall, strong stems. Good propagator. Named to celebrate the 100th year of the famous German nursery firm. The Holland growers say it will take the world by storm, both for exhibition and commercial purposes. Last year we did not get satisfactory bulb size from our bulblet planting but set out in a sea of mud in a poorly drained location in the middle of June could have something to do with that. L \$3.50 S \$1.50 Blts .30.

536 TUNIA'S MARVEL (Both) (our '43 import release) E. A huge, very metallic scarlet with a prominent light blue violet tongue. A very early giant whose best blooms are usually gone weeks before the shows. Stem is below par, otherwise very good. L .50 M .30 Blts (100, \$3.00).

LIGHT PINK—40 Series

541 BIG TOP (Rich-Evans '42) E. Medium deep pink, carmine feather in somewhat lighter throat. Petals creased at center rib. Immense, round florets 6½-8 inch diameter. 6-8 open on extremely long flowerheads up to 41 inches with little diminution of floret size up the spike. No serious faults. Gets onto the "court of honor" table at many shows and is always a threat to grand champion position. At Conn. '47 a novice exhibitor turned the trick. L .15 Blts (100, \$1.00).

440 HIGH COMMAND (Barrett '43) L. Clean shell pink, faint rose cast. Color is not very far from that of Greta Garbo, a bit softer and deeper, even closer than Greta to the color of the new Evangeline. Very strong, tall plants with extremely long flowerheads, around 30 inches, up to ten 5 inch florets, slightly ruffled, wide open. Latest glad in our list, making giant flowerheads when little remains in the fields except small spikes from small bulbs of other varieties. Good habits throughout except in an occasional year bulblet germination is low. L .35 S .15 Blts (100, \$1.00).

"Had 3 wonderful spikes Mid-America but a week late for Sacramento show. 12 open, 35" head, 5 feet and better." Frank. F. Lund, Calif.

"My bulbs arrived Saturday and what a mistake you made. You indeed sent those I asked for, but as many again! It is plain to be seen that you are a lover of glads whose business with them is solely to break even!" Rev. Harold W. Freer, Ohio.

440 MRS. P. COSTA (Both '46) (our '48 import release) M. Very light creamy blush white, perfect double row placement, somewhat ruffled—in fact it looks like a larger, much improved Rosemarie Pfitzer. Each L \$3.00 M \$2.25 S \$1.50 Blts .30.

541 MYSTERY (Stinson '44) M. Beautiful, soft pure pink, bright rose mark in throat. One of the few glads that increase their color value under artificial light. Giant 6-7 inch florets, a bit waved and frilled, 7-9 open, well placed on strong, tall flowerheads of around 30 inches. Has won many awards and has stood as glad number three in the Canadian Symposium for the last two years. M .35.

440 STAR GAZER (Evans '43) M. Because this variety is of the semi-upright type and thus departs from established standards for placement, it can make no headway in the shows. Clear, pale, very light pink, practically speaking, blush white. Unmarked except for one very narrow cherry line on lip petals. Beautiful florets strongly recurved, firmly placed in semi-upright position, making long, stretchy flowerheads. Blooms long lasting and open well to tip. L .35 M .20 Blts (100 \$2.00).

540 STELLA ANTISDALE (Evans '40) EM. Smooth, soft light pink, a bit lighter and creamy in throat. Color has what might be called a suede finish. 6 inch florets, 7-9 open easily in the field, 18-20 buds on tall, strong stems. Foliage is wide and breaks open low, allowing easy cutting of long spikes. Placement is always full double row, even when grown from small bulbs. Likewise, the large floret size is commonly maintained when bloomed from small bulbs. Has received a large assortment of awards in U. S., Canada, Australia and New Zealand, including Award of Merit and Grand Champion in Ohio and Grand Champion in New Zealand. L .15 M .10 S .05 (100, \$3.00) 1000, \$20.00 Blts (100, .50) (1000, \$3.00) (quart \$10.00).

DEEP PINK—42 Series

443 ALGOMA (Butt '44) M. A buff toned, medium-deep pink with a red flush which deepens as the flower ages and a very spectacular, deep red throat. The color is certainly "different" and all other details could be aptly described "perfect." Plants are tall and strong, always straight. Opens eight 5 inch florets with ease in open field, always well placed. Each L .75 M .50 S .25 Blts .05 (100, \$3.00).

542 ESSA MARIE (Coutts) (our '46 import release) M. Mild, soft, deep pink that never flecks or fades. Eight to nine 6 inch wide, round florets can open on a strong spike that never crooks. Good commercial habits and has entered the grand champion column.
L .35 S .15 Blts (100, \$2.00) (1000, \$10.00).

542 PERSONALITY (Butt-Evans '47) M. Basic color is deep pink slightly rosy toned. This glad looks equally good for exhibition and for commercial use. Most every spike appears to be of show champion quality. Tall, powerful plants, 7-9 open in the field. Of the many "deep pink Picardys," most of them sports, this is the only one that has satisfied us.
L \$3.00 S \$1.25 Blts .20.

LIGHT RED—50 Series

450 JOHAN van KONYNENBURG (K & M) (our '47 import release) M. Named for one of the founders of the great Holland firm. They consider it "the most perfect gladiolus yet introduced" (not merely the best red). The color is clear, rich, glowing orange vermillion. We have classified it here as light red but if it is not scarlet it is very close to it. However, every spike is a show in itself, outstanding in any garden, carrying up to 10 open blooms, well faced and spaced on tall, extra strong, upright spikes, never crooked or bent. Received First Class Certificate at Haarlem, their highest possible award. It has turned out to be an excellent propagator for us and we are sure it will quickly take a high ranking place on the cut flower market.
L \$1.00 M .60 S .40 Blts .10 (100, \$5.00) (1000, \$25.00).

550 MID-AMERICA (Knierim-Evans '47) M. The first variety we have offered, raised by one of our customers from seed (cross 486, Red Charm x Snow Cruiser) offered in our catalog. May any similar subsequent offers be as good!

Color clear, brilliant light red, unmarked. Mammoth, smooth, round florets around 7 inches diameter and more, well attached on very tall spikes, 26 buds on extra strong stems, as well as extra long flowerheads, 33-36 inch heads being almost an average for large bulb production. Foliage is wide and heavy and tall, even that of bulblets growing 30 inches tall. About a fourth of the bulblets bloom. Even tiny bulbs hardly larger than bulblets, planted 2 inches apart have made many spikes 60-66 inches tall, with foliage 36 inches tall, opening 10 giant florets. For detailed information of this wonderful variety see our Guidebook of 1947, pages 11, 12, 13, 17 and 28. Also our current

Grand Champion, Seedling Champion and Color Champion tabulation herein. In '47 we have further record of the following: Firsts at Ohio (Cleveland) in both open and R. I. section (33" head); three firsts Chagrin Falls, (Ohio) also R. I. section champion; firsts at Solon (Ohio), Conn.; Iowa (Ames); Ill. state; Ill. (Chicago); Western Mass.; Pa. state (Greenville); first and longest flowerhead (36 $\frac{3}{4}$ ") Winnipeg; first and longest head and 2nd day Grand Champion, East Liverpool (Ohio).

We know the variety is a good forcer for we tried to exhibit bloom in the 10 day great Mid-America Industrial Exhibition in the world's largest Auditorium (Cleveland), late last May. Our friend Dr. Don Creager, known to gladiolus growers throughout the world, undertook to grow a dozen bulbs at Terra Ceia Island, Fla. Because of the very unusual cold weather encountered, these bulbs bloomed a couple weeks too late for the show. However, 12 more bulbs were grown at the Cleveland West Technical High School Greenhouse and on the opening day of the exhibition we had five spikes to exhibit and two days later the entire balance of the dozen. At the end of the 10 days five of the spikes were still very presentable, the others still blooming farther up the spike.

The forcing expanded the plant at expense of the flowers which were six inches but the foliage was six feet high and the stems forced the spikes to tower from 7-7 $\frac{1}{2}$ feet tall.

We reserve the right to limit quantity purchases should they impair many customer's chances of getting a single bulb. Any size bulb, each \$2.00 (no dozen rate) **Blts** each .25.

"Mid-America is sure some glad, largest I have ever seen. Nice color, too." Bob White, Iowa.

"Mid-America has immense florets and exceptionally good color." Bob Knopf, Oregon.

"Extreme hot weather and drought but Mid-America from medium bulbs was tall, straight, 21 bud, 8 open, flowers immense, opening well in water." J. R. Welty, Ill.

"When I first saw Mid-America at your place, fall '46, I mentally reserved \$10.00 for a bulb when it would be offered. Imagine my surprise when I find I am able to order 6 bulbs for \$10.00." Dr. W. S. Webb, W. Va.

"In case you haven't heard, someone entered Mid-America in the "Hall of Fame" at the Boston show (N. E. G. S.) and won second on it by public poll." Harvey Stone, Mass.

"If you can get bulbs of Mid-America by all means do so., I saw it take grand champion last summer against such glads as Sunspot, Spotlight, Lancaset, Leading Lady, Summer Gal and Silver Wings." Ben Netzly, in December '47 "Ill. Notebook."

"LIGHT RED: Mid-America by Knierim-Evans is the big noise here and introduced at a rate available to all. Huge without being coarse, has remarkably good attachment for such a large glad, seems quite healthy, produced bulblets at a great rate, is a very rich, clean medium-red self, opens enough and makes a very nicely proportioned, heavy stiff spike. One bulb of this will give you a start, and it is indeed extremely worthwhile in my opinion." Dr. J. F. Cason, Tenn. in December '47 N. A. G. C. Bulletin.

451 THRILLER (Evans '43) LM. Color is clean red with medium sized blotch of clean, creamy yellow. On Fischer Color Chart the color is intermediate but closer to R4 than to OR3. Makes very long, decorative flowerheads, 8 or more open. Was Champion Seedling and Grand Champion at Mich. state, '41. We find that many prefer it to Beacon because the blotch is not over-prominent, the floret larger and the heads longer.
L .50 M .30 Blts (100, \$2.00) (1000, \$10.00).

DEEP RED—52 Series

452 FIREBRAND (Butt '44) M. We consider this Mr. Butt's best origination to date. Within our experience, no other medium deep red has color value to match it. Slightly ruffled, deep signal red, slightly deeper in throat with small white lines on lower petals. Color is velvety and unopened buds are of unique form resembling roses and the florets lie tight and flat to the stem. 8-13 open on spikes that are tall and straight. Good propagator and makes show spikes from No. 4 medium bulbs. Has entered the columns of Color Champion and Grand Champion and has won many recent introduction section championships in the few years it has been on the market.
L .40 M .30 S .20 Blts (100, \$2.00) (1000, \$15.00) (1 pint, \$25.00).

552 MIGHTY MONARCH (Butt '46) LM. Very velvety, clean, glowing deep red. An exceptionally strong grower, approaching the power shown by Strathnaver and Mid-America. Florets 5½-6 inches, 8-10 open on extremely long, 20-26 bud flowerheads. Good propagator and bulblets make a large proportion of large and medium bulbs. A quality glad in every respect and we consider it one of the three best reds in existence. (And you know what we think of Mid-America and Firebrand.) Because stock is limited as yet the "news picture" on this grand glad is limited, too. However, it has started out with a first at Binghamton, two firsts and longest flowerhead at Chagrin Falls (Ohio) and another first at East Liverpool (Ohio), '47. But see it, you'll want it. Price is now within reach.
L \$2.00 M \$1.25 S .75 Blts .15 (100, \$10.00).

"The one that took my vote was Mighty Monarch. It was the most perfect thing I have ever seen and I don't care too much for reds, either." Dr. C. M. Evans, Editor, So. Calif. G. S. Bulletin.

"The bulblet I had of Mid-America was small and did not make a bloom of show caliber." W. E. P., Ill.

452 RED CHARM (Butt '39) M. It is charming, surely. Glistening, very deep but not black, red. All habits just about perfection. Topped the Canadian Symposium, years '44-45, led only by Leading Lady, '46-47, and, of course, topping its color section. 5 inch florets, 8-9 open, 18 bud, 55 inches tall, good blooms from smaller sizes. We rate it the best red cut flower obtainable at moderate prices. At the highly competitive Chagrin Falls (Ohio) '47 show, a novice exhibitor won grand champion with it.
L .10 M .06 Blts (100, .40) (1000, \$2.50) (pint \$4.00).

553 RODNEY (Coates) (our '41 import release) L. A spectacular glad making full double row placement of 6-7 inch florets, up to 8 and 10 open. Dark, glistening red with conspicuous blackish brush on white throat. Vigorous grower. Supply limited.
L .50 M .35 Blts .05.

BLACK RED—54 Series

554 GRAND MONARCH (Salman) (our '48 import release) LM. Color is bright and glossy. Warm, brown toned deep maroon with intense deep purple in throat. Beautifully formed, immense florets of heavy texture. Five feet or taller. Flowerheads are extremely strong, of enormous proportions, holding 8 open. One of the largest glads, a grand monarch indeed! Award of Merit, Haarlem, '45. Rapid propagation enables low introductory price.
L .75 M .50.

454 MANSOER (Salman) (our '47 import release) EM. Considering that this new hybridizer in Holland has been literally flooding the Holland markets with innumerable varieties, apparently mostly Picardy seedlings, we are proud of the fact that we sorted them out and selected and released last year Mansoer and Salman's Glory, two outstanding glads destined for high acclaim. Mansoer is very deep blood red with a blackish brown, velvety glow. By no means enough brown to warrant placing it in the "any other" classification, where it was plainly out of place in the '47 shows. The florets are close to the giant size, smooth, round and wide open, firmly held on tall, wiry stems. 7-10 open. First Class Certificate, Haarlem, '45. Because it is perfectly healthy and cuts 100% blooms of exhibition quality it will quickly become our most popular black red cut flower. Very fast propagator, so our price is greatly reduced.
L .35 M .20 S .15 Blts (100, \$2.00) (1000, \$12.00).

554 MARSHALL MONTGOMERY (Salman '48) (our '48 import release) M. A seedling of Mansoor and in every respect an improvement. Color is still warmer, a deep maroon red. Enormous florets, wide open, slightly ruffled and of pleasing form. Long, heavy spike on extremely heavy, straight and long stems. Stock is very limited, including that in Holland. We have not had time to propagate this variety into reasonable price range. Our margin for possible profit on this grand variety is the least of any glad we list. We merely make it possible for a few of our customers to share with us at this early date a limited amount of stock of best propagating size.

Each **S** \$10.00 (no dozen rate).

454 MAURRIE TREVAN (Both) (our '46 import release) EM. One of the darkest, if not the darkest, red in commerce. Color is substantially clean and very velvety. Spikes from bulblets and from No. 6 small bulbs have won in well filled classes including both large and giant size in big time shows. Bulblet production fairly good but not what would be termed prolific. Other habits all well above "satisfactory level." Florets are round, close to giant size and the flower-heads are extremely long, holding many open.

Award of Merit, Ohio Society, '46.

Each **L** \$3.00 **M** \$3.00 **S** \$2.00 **Blts** .30 (100, \$20.00).

"Maurrie Trevan makes the best dark red spikes we have seen over here, carrying plenty of 'top' of unopened buds, the lack of which is the fault of Black Opal and Black Magic. Stella Antisdale goes well, producing splendid spikes of fine color. Your illustration looks silly alongside the spikes we get." C. L. P., Bassendean, West Australia.

LIGHT ROSE—60 Series

560 COUTTS' ORCHID (Coutts) (our '41 import release) M. Six inch and larger, immense, round petalled florets of unmarked light orchid rose with cream throat. Has a tendency to produce a quarter inch lighter edging, or halo. Never, in all these years of selling it, have we found a woman who did not admire it, almost all men. The color value is outstanding. About 16 buds, 5-7 open, placement reasonably satisfactory, easy grower though bulblets run small sized. Award of Merit, Canadian G. S.
L .25 **M** .20 **Blts** (100, \$1.00).

460 EIFFEL TOWER (Both '47) (our '48 import release) M. Very pale lavender blush pink, substantially unmarked but still lighter in the throat. Round, wide

open florets of about 5 inches. Spikes carry 8-10 florets open, excellently placed, full double row exhibition placement. A real goliath in plant size and a strong, husky grower. Fairly good propagation. Of our bulblets planted '46, a large proportion bloomed. In '47 they were planted too late but our small stock made good exhibition spikes.

Each **L** \$5.00 **M** \$4.00 **S** \$3.00 (no dozen rate) **Blts** (5 for \$5.00 unit).

561 HILLCREST (Brown—N. Z.) (our '48 import release) M. Bright rosy pink. Faint markings of deeper rose on edges of petals. Vivid throat mark of deep cerise. Very harmonious colors. 6-7 inch, wide open florets, making grand exhibition spikes with many open in full double row placement. Splendid propagator. Very healthy.

Each **M** \$1.50 **S** \$1.00 **Blts** .25.

560 LEEUWENHORST (Salman) (our '48 import release) M. A very fine light lilac rose, about a hydrangea pink, of relatively uniform color but feathered deeper. Tall spikes with enormous florets, possibly the largest yet out of Holland, on long, strong and straight stems. Although large and heavy, not crude but graceful and a color we have all been looking for. 60 inches tall. Heavy propagator. First Class Certificate, Haarlem, '46. These prices should evidence our desire to price these imports as low as consistent with stocks available.

M .25 **S** .20.

560 PROSPERITY (Silva '47) M. Claimed to be a sport of Picardy. That has to mean both a color sport and a form sport for the color is a medium-light rose and the florets are very heavily ruffled. We are not sure of the 500 size classification as our blooms from large bulbs averaged 5 inches, but the plants were tall and strong, the floret texture heavy, the color very good and the ruffling nothing short of perfection. The only win we have recorded was one right here at Solon (Ohio) show '47 but many more will follow when bulbs get around.

Each **L** \$3.00 **S** \$1.50 **Blts** .20.

460 TIVOLI (K & M) (our '47 import release) LM. A lovely, clear light rose, reminiscent of the beautiful but crooked Coryphee. 8-10 open on tall, well shaped spikes. This variety appears to be one that will eventually replace Rosa van Lima in the Commercial field as soon as propagation and prices permit. Has perfection of color and habits and the size is around 5 inches. Supply of large bulbs is quite limited.

L \$2.50 **M** \$1.50 **S** \$1.00 **Blts** .20.

DEEP ROSE—62 Series

562 GENERAL EISENHOWER (Salman) (our '48 import release) M. A very deep rose that might be described as a brilliant begonia rose, a vivid, pure rose. The florets easily make 6½-7 inches, are close to plain petalled, just slightly frilled and of excellent substance. Makes strong, long spikes, around 5 feet tall, carrying 6-8 open, 17 bud, mostly in color. Bulb production is heavy and germination good. We think it will make rapid strides into popular esteem both for show and commercial purposes. We do not have enough stock to stand a "run" on the item but its power to reproduce would seem to warrant the following low prices. Award of Merit, Haarlem, '46.
L \$1.00 M .75 S .50.

462 H. R. HANCOCK (Both) (our '43 import release) M. Color hard to place on Fischer Color Chart. A point somewhere between R4-5 and VR5. Clear, medium deep, violet cast, cherry rose, with clear, creamy white throat. Very clean colors. Perfect, double row placement of 5 inch florets, even from No. 6 small bulbs. 8-11 open, balance in color, a bit crowded on a flowerhead not as stretchy as we would like to have ordered it. Substance excellent. Cut in bud, opens well to tip with very little diminution of size up the spike. A wonderful color break for the cut flower growers and it is a prolific propagator, as well. Award of Merit by So. Australia G. S. and first "Color Champion" (as term is used in U. S.) on this continent. See color plate on front cover.
L .50 M .35 S .20 Blts (100, \$2.00) (1000, \$12.00) (Pint, \$25.00)

"I had much pleasure last summer in growing the very fine stock you sent. I owe you many thanks for overcounts and extras amounting to more than thirty per cent of my order."

"For the connoisseurs, the most outstanding thing in the garden was the marvelous beauty of color of H. R. Hancock. It is worth everything you claim for it, and some more." Rev. H. M., St. Hyacinthe, Que.

LAVENDER—66 Series

366 KITTYHAWK (Both) (our '48 import release) M. A delicate lavender that feathers its color a bit to the edges but makes up for that by opening up to 10 florets, of medium size, around 4 inches, in full double row formation on tall, strong spikes. Good habits and propagates well. Grand Champion at three shows in N. Z., our winter of '46-47. Supply limited.
Each M .75 S .50 Blts .10.

"Kittyhawk is absolutely the best exhibition lavender in commerce, opening up to 10 perfectly placed, delicate lavender florets on a good, stiff spike". W. R. Toon, N. Z.

"Kittyhawk bids fair to fill a long felt want in supplying a suitable lavender with formal (double row) exhibition placement, suitable for the show bench. It lacks obvious faults." J. P. Jones, Corresp., Australian Garden Lover.

466 LAVENDER DREAM (Holland) (our '48 import release) M. A beautiful gladiolus classified lavender of very attractive soft color, really of cattleya rose violet with creamy marks. Makes tall spikes with 6 or more open of good commercial and show quality. Has opened 10. Good propagator so starting prices are very reasonable.
Each L .35 M .20.

566 MINSTREL (Palmer '44) M. Lavender with a pink overtone often with considerable feathering of deeper color, the amount of feathering depending much on heat and methods of fertilizing. "Butterfly" type of florets up to 7 inches, somewhat ruffled and needlepoint. Only a fair propagator with us. We do expect well grown spikes to win over Elizabeth the Queen.
L \$1.00 M .60 S .40 Blts (100, \$6.00).

566 TUNIA'S MASTERPIECE (Both) (our '47 import release) M. Truly a masterpiece. Most perfect lavender, some occasional deeper flecks, variable, though often clear. Florets hard faced and glistening on a vigorous plant. Propagation only medium good. For us bulbets have made long, stretchy spikes with 19 buds, 9 open, 5½ inch florets, all about the same size. Large bulbs, without special forcing between bud and bloom stage have made spikes with 36-40 inch flowerheads, 12-14 open, 6-7 inch florets and decreasing in size but slightly, right up to the 12th open floret. Well grown 2 year old bulbs can measure up to 4-5 inches across. One of the very best glads in our list.

Bulbs \$5.00 each, L, M or S (state preference) Blts (per unit of 10, \$5.00).

"Tunia's Masterpiece really is a masterpiece." Bob Knopf, Oregon.

"Of the new ones Tunia's Masterpiece was one of the most exquisite flowers I have ever seen." Paul V. Baker, Oregon.

"Tunia's Masterpiece a most perfect lavender, very vigorous grower producing a 3 foot 6 inch flowerhead with 12-14 open florets." C. J. Coates, Vic., Australia.

PURPLE—70 Series

570 CONVOY (Palmer '42) LM. Tall, straight, wiry spikes carrying giant, round blooms of clear bright purple. Slightly waved and ruffled. Petals are wide and roll back. Undoubtedly the best of the reasonably priced giant purple glads.
L .15 M .10 Blts (100, .50).

70 HAVELOCK (Julyan) (our '48 import release) M. Medium size florets of about 4 inches, clear, rich, deep blue-violet toned purple. Strong grower and very consistent in its ability to open 8-10 on tall spikes of grand commercial quality. Good propagator. During the war years this variety has built up a fine cut flower reputation from New Zealand to western Australia. We sent out many trial lots in last few years, all reports were good. Each **L** \$1.00 **M** \$1.00 **Blts** .05 (100, \$3.00) (1000, \$15.00).

470 LANCASTER (Palmer '44) M. Clear, dark, velvety purple, beautifully waved and ruffled. Rates No. 9 in the last Canadian Symposium. When they get into the Canadian "best ten," it is no accident and you may rely that all habits are above the "satisfactory" level. Nevertheless, we could ask for a more ample supply of bulblets. Has quite a few section championships to its credit and a couple of reserve but we have no record of it achieving top honor as yet. **L** .75 **M** .50 **S** .25 **Blts** (100, \$3.00).

471 STAPLEFORD (Whiteley) L. Brilliant medium-deep purple, very spectacularly blotched clear white. Makes very tall, strong spikes holding up to 12 open in full double row placement. It is late and propagation is difficult but we do not know of other purples of this shade. It can make stunning spikes. Supply is limited. **L** .75 **M** .50 **S** .50 **Blts** .10.

LIGHT VIOLET—76 Series

577 BLUE ICE (Butt '45) M. Light oriental blue with some feathering of the color, throat carries a deeper blue mark edged yellow. Florets about 6 inches, lightly creased and a bit ruffled, wide open, mostly single lip with top petal back. 6-8 open on tall, straight spikes. We note a first at So. Minn. and our first at Ohio, '47. Each **L** \$7.50 **M** \$5.00 **S** \$3.25 **Blts** .60.

477 RAVEL (K & M) (our '47 import release) E. Medium blue violet, deeper than Blue Ice, with a reddish brown throat mark. Makes tall, straight spikes with large florets of good substance, well placed and spaced. Unlike most blue varieties Ravel is a very healthy grower, an excellent propagator and the spikes stand up. Was grand champion and received First Class Certificate, Haarlem, 7-16-45. Our prices are definitely competitive (about one third of normal selling rate). **L** \$1.00 **M** .60 **S** .40 **Blts** .05.

DEEP VIOLET—78 Series

378 ABU HASSAN (Holland) (our '47 import release) E. Medium size florets of velvety deep violet blue. Unlike Pelegrina, this variety stands erect on strong, slim stems. **L** .25 **M** .20 **S** .15 **Blts** (100, \$1.50).

SMOKY—80 Series

586 FLYING FORTRESS (Wilson-Evans '43) LM (about 93 days). With great consistency, it produces the biggest bulk of flowerhead in our fields. A lavender toned smoky with carmine throat. Florets 6-8 inches, ribbed, 8-13 open on tall, extremely long flowerheads. Award of Merit by Ohio Society. **L** .75 **M** .50 **Blts** (100, \$4.00).

582 FRED PARKER (Both) (our '48 import release) LM. This stock is also called "Fred Parker Improved." A super giant deep orange smoky, ticked with light yellow stripes. A new color in smokies and has produced 9½ inch florets from field grown stock with no special help. 7 open. Stock very limited. Each **M** \$4.00 **S** \$3.00 (no dozen rate).

486 GRAY DAWN (Both) (our '43 import release) L. We list very few late bloomers but this novelty glad has a host of friends who like them "different." Giant spikes, giant florets, irreproachable placement and a striking color of medium-light lavender blue-gray. The color feathers and seldom are two florets alike. Fast propagator but, strange to say, cut flower growers keep our supply at a low level. **M** .35 **S** .20 **Blts** (100, \$2.00) (1000, \$10.00).

486 PASTEL (Both) (our '42 import release) L. This is the perfect pastel blend smoky. Rosy, velvety gray, with petals widely edged steel blue. Color is soft, smooth, without glitter. 4½-5 inch florets, round petalled, wide open. In the excitement over the larger Tunia's Mahomet, this grand variety should not be overlooked. **L** .35 **M** .25 **S** .12 **Blts** (100, \$2.00) 1000, \$12.00) (pint, \$20.00).

"Pastel is a lustrous rose gray with blue edge, rolled back, wide open florets, exhibition type, medium height, color fades slightly toward tip—a marvellous color that women "rave" over. Rapid propagator." Group Test Report, Canada.

"For once in my life I had flowers as beautiful as the catalog promised and that is something." E. A. T. Otterville, Mo.

586 TUNIA'S MAHOMET (Both) (our '43 import release) E. Probably the most popular dark colored variety we have ever marketed. A color description sounds variegated, whereas, in fact, the colors smooth out in extremely dark, velvety fashion. We would call it very deep, velvety, smoky plum rose with orange scarlet in throat. Seven inch florets, 7 open with almost no diminution in size up the stem with relative ease and spikes well grown have been had 8 inches (on all 8 open), with 42 inch flowerheads. Habits consistently good everywhere. Two color and one grand championships, Tasmania and N. Z. Award of Merit Ohio Society and First Class Certificate by So. Australian Society. As a sampling of its winnings we have recorded 18 firsts in shows about the states in '47.
L .75 M .50 S .25 Blts (100, \$5.00).

582 TUNIA'S WIZARD (Both '47) (our '48 import release) M. Here it is. "The 12 inch gladiolus." The glad to stop all who behold it—including the judges selecting the grand champion spikes of the shows. Society members, visitors to Mr. Both's fields, found spikes of Tunia's Wizard with blooms full 10½ inches diameter, growing under normal field conditions and without any artificial aid. With show bench treatment, Mr. Both says 12 inch florets are well within its compass. Mr. Both has a color reproduction on his '47 catalog showing an immense spike with 9 open, well placed and faced in full double row formation, about 18 bud total. The color is not very far removed from that of Tunia's Mahomet. The throat is lighter and more orange, the scarlet on lip petal more prominent. The size of floret is substantially maintained up the spike to the 8th open floret. All of the florets appear to be of the preferred "inverted" type (single lip, top petal to rear). We have not bloomed it but we are sharing our propagating stock now in order that those of our customers who wish may be the first to grow and appraise it in their own gardens. The bulblets we will deliver will have had several months more than full, normal resting period and will be "rearing to go."
Bulblets only, Each, \$6.00.

ANY OTHER COLOR—90

490 De GRYSARD (The old man of the mountain) (Holland '48) (our '48 import release) M. A novelty beyond hazard of disclaimer. When in bud color it looks just like an Iris Susiana (mourning lily). At this stage it is gray with distinct black stripes. When open the inner area is apricot orange while the edge is striped gray and black. The blooms are large,

the spike long and well shaped and the stems are also long, strong and straight. Not only is our stock very limited but that in Holland as well.
Each M \$1.50 (no dozen rate).

390 PINOCCHIO (Evans '40) very early. A true novelty gladiolus. Color is a novelty blending of pink, yellow, green, orange and red without any emphatic preponderance. At a distance the yellow, orange and red give it a prevailing orange tone but classifiers decided the 90 series applied. Florets are of heavy texture, 3¼-4 inches, round, 5-7 wide open, intensely ruffled and fluted. Placement is airy on stretchy spikes 50 inches high. Flowerhead 24 inches on wiry stem well above the foliage which is short. Good propagator, bulblets run large, most of them bloom. Has won hundreds of awards with more than its share of special awards, section champ, most ruffled and Award of Merit, Ohio Society.
L .15 M .10 Blts (100, \$1.00).

590 R. B. (Upton) LM. Years ago we helped drag this variety out of the discard because of its unusual rusty golden brown, or henna color, on an old rose base. Furthermore, the color is composed by etching lines rather than smooth. The placement is not always all that could be desired. In spite of all this R. B. is still riding the heights of popularity and winning hundreds of prizes, many of them for largest floret, since they can easily be had from 7-8 inches.
L .12.

590 TUNIA'S ATOMIC BURST (Both '46) (our '48 import release) M. Vivid bronzy red with a slight smoky overcast on the three inner petals. Some radiant streaks of deeper color at outer edge undoubtedly helped to suggest the name. Makes full double row placement, well faced, stupendous spikes with much bud color, bursting open quickly up to 10 huge florets. It looks destined to top the 590 section as soon as stocks are available. Supply limited.
Each L \$3.00 M \$2.25 S \$1.50 (no dozen rate) Blts .30.

590 TUNIA'S ELITE (Both) (our '47 import release) EM. Seven inch and larger, giant, round, wide open florets. A bit ruffled. The color is a bronzy orange, edged smoky orange, with prominent throat marking of fiery orange red. Makes spikes approximately as Tunia's Mahomet, which statement a large part of our customers will understand. The substance is good and the florets are held rigidly on tall, strong stems. Good propagator.
L \$2.00 M \$1.25 S .75 Blts .20 (100, \$12.00) (1000, \$72.00).

LEAD YOUR FRIENDS and NEIGHBORS — HOW TO DO IT

Simple as can be. Inexpensive, too. Plant healthy, young bulbs of the large size of varieties currently winning first prizes in the major shows of the world. Soil prepared in the fall with heavy applications of well rotted cow manure and bone meal is excellent. Avoid horse manure in any season. Plant in the sunniest location possible. Shelter from strong winds is desirable. Preferably in a group planting by themselves. They can be at their best in rows among the vegetables.

Plant large bulbs 5 inches deep, medium bulbs 4, small bulbs 3 and bulblets 2. If soil is extremely sandy plant somewhat deeper. If very heavy, somewhat less deep. For best bloom production set bulbs apart in row roughly about 4 times their diameter. Sow bulblets thickly, like peas. Distance between rows as little as will permit of your particular method of cultivating, weeding, etc.

Do not make them compete with other roots of trees, shrubs or weeds. Cultivate often and close, keeping surface loose.

Most of us already know that gladiolus prefer a somewhat acid soil. Silt and sand in the composition of your soil is valuable. Avoid lime unless needed to cure a superacid condition (expressed pH 1 to pH 4). Likewise avoid, more importantly, super alkaline soils (pH 8 to pH 14). Neutral is pH 7, but pH 5 to pH 6 is what you should strive to obtain. Your nearest State Agricultural Experiment Station will test samples (a pound or two) of your soil for acidity rating or will advise you how to do it. A well drained soil will have much to do with your cropping disease free bulbs, particularly if dug after a wet fall.

If a heavy application of cow manure (3 to 6 inches deep) and coarse bone meal (25-30 lbs. to 500 sq. ft.) was applied in the fall and the ground left rough, no more fertilizing need be done the following year.

If fall fertilizing was not done, well rotted cow manure may be worked into the soil before planting. After the trench is dug, if soil is heavy, it will be beneficial to spill an inch of fine sand on the bottom before setting the bulbs. If sand is dry it can easily be spread with a sprinkling can with the rose removed from the spout. After the bulbs are set and one half of the excavated soil is returned over the bulbs to protect them from fertilizer contact, a handful of (2-8-10) or of superphosphate, such as (0-16-0) and (0-20-0) may be spread along about 4 ft. of row. This is in lieu of the fall application of the slower bone meal.

If cow manure is not available, you may now substitute in addition to the (2-8-10) or superphosphate used, about 2 handfuls of

prepared sheep manure (baked to kill weed seeds) per 4 ft. of row before filling in the upper half of the trench.

Pack the soil a bit (carefully if the bulbs are sprouted) to assist in rapid capillary attraction and speedy growth. If soil is very dry at planting time, drench with water heavily, to penetrate six inches. Thereafter, until time when flower buds can be felt in the stalks, use water very sparingly. Of course, if little or no rains for 15 or 20 day periods drench again and keep the plants well weeded and cultivated.

During the bud to bloom stage is the one time it is desirable to keep the ground definitely on the wet side. Next to impossible in well drained location to get it too wet at this stage. Naturally, if the soil be wet and soft and high winds come, some tall and heavy plants may go over, bulb tilting in the soil and tearing roots, if permitted. We consider it advisable to use some method of staking if the soil is kept extremely wet at this stage. We use some 6 ft. steel stakes, $\frac{3}{16}$ inch diameter and rubber bands. The stakes are inconspicuous and if blooms are cut can be readily moved to other spikes throughout the season.

After the peak of bloom season, if weather becomes extremely hot and there appears any tendency of the stems to soften somewhat, this extra watering may be concluded and very shallow cultivation continued through the balance of the blooming season if you can still get in among the plants to do so.

Whatever general fertilizing method may be used, a "shot in the arm" type may be used on a few or all plants just as the early buds begin to form in the stalks. Use a handful of dried blood meal for about 5 to 10 plants or a handful of ammonium sulphate to about 10 to 15 plants, scratching it in several inches away from the plants. Soak the ground heavily the day before so that the plant will be saturated and in strong growing condition, thus withstanding a shock which might otherwise burn off the rootlets, turn the foliage yellow and stop further growth. This will increase the size of the florets and the length of the spike.

Above formulas are maximum. Many would consider them extreme. We do not remotely approach these extremes ourselves as our aim is a bulb crop and the blooms incidental. But a large number of our customers have used these methods with highly gratifying results.

Purely for commercial bulb production we recommend use of 2-8-10 or better still 3-9-18 applied about 1000 lbs. per acre, disced in just before planting or otherwise applied in manner to safeguard the bulbs from actual contact with the material.

Particularly in hot weather, spikes which are cut when but one or two florets are open, fill out with more open at a time when bloom-

ed indoors in the light but not sunlight, away from any breeze, making better exhibition spikes and preventing any fading of colors such as is sometimes found in some of the finest orange scarlets, as well as preventing wilting of varieties without strong substance. Cut stem slantwise to provide larger drinking area and place in water at once to avoid air pockets in stem. Allow three or four leaves to remain on the plant to mature the new bulb which is hardly half grown when spike is cut. At least six more weeks are needed to mature the bulb, except where blooms are from large bulbs of very late sorts, or where blooms arrive at late season from young planting stock.

However, bulbs should be dug while the plants are still green and do not delay too long after average killing frost date in your area.

DONT'S ON DIGGING

Do not leave part of stem on bulb, cut close and burn the tops.

Do not leave bulbs to dry where frosts can reach.

Do not pile deeply. Quick drying (not in hot sunlight) is extremely important to prevent spread of diseases in storage.

Do not remove roots and old bulb for some weeks unless old bulb is soft or shows decay. Wait until they separate with ease and without tearing the new root base.

BULBLETS

The little hard shelled bulblets will not germinate until moisture reaches them. Therefore, it pays to keep them on the moist, almost continuously wet side to rot the shell until they begin to appear. Bulblets in quantity may be bagged, kept moist by occasional immersion in warm water and in a warm place, for a week or so, to hasten the shell rotting process. If some start rooting, plant all. If expensive bulblets in small lots, you may chip off a fragment of the shell with point of a small pocket knife, using care not to injure eye or root base. Plant early, as soon as ground warms in spring.

BULB SURGERY

A few specks of disease spots, wire worm injury or scab may be gouged out without the slightest harm to the plant provided the bulb retains a good eye and root base. Cutting out these segments only cuts away that much food to start off the new plant. Best dust the cut surface with powdered charcoal. Next best common sulphur or at least dry until bleeding stops before planting.

Or wipe the cut surface dry with some paper towelling and then paint well with melted paraffin.

You may do these things any time during the storage period, too, or just rely on corrosive sublimate treatment to clear them up.

A plump bulb of 1¼ inches diameter has plenty food to start production of a show specimen spike. If the bulb is 2 inches or more in diameter it may have two or more prominent eyes or sprouts, indicating that it will make as many stalks and spikes. Now this one bulb cannot be expected to make two or more spikes of the same show specimen quality it would produce if held to a single eye and spike. If you want to bring renewed youth and vigor to your old jumbo bulbs and beat the other fellow, just disbud the bulb, i.e., gouge out all eyes except the most prominent one, just as you gouged out the little specks of scab or disease, dusting as before. We are of opinion that bulbs may be lost by this process only by failure to heal the cut surface sufficiently before planting.

THRIPS

If thrips appear on your plants they must be controlled before the bud spikes emerge from the foliage. Watch for any silvery gray streaks on the foliage. If permitted to increase unmolested they will extract juices from the buds resulting in a burned appearance, they will eat streaks of color off the petals even before they unfold and if they unfold at all, the petals may crimp up their edges and dry to a dull brown. Even the young, lemon colored thrips may do this damage to the bud so it is important to kill such adult thrips as may arrive before they lay eggs, also because the young have the bad habit of staying inside the bud and crevices of the plant where they are hard to reach with insecticides. The silvery gray (feeding) streaks on the foliage, in badly infested cases, turn brown, stopping both plant and bulb growth.

In our opinion, thrips come more into the open during the hours of 4-6 P.M., so spraying is most effective if done at that time. Also, the less heat the safer for the plants and evaporation is retarded. If plants are thirsty when spray is applied, spraying hazards are increased. Plants should be well watered but the foliage should be dry before the spray is applied. Spraying but one part of the patch only is inadvisable on account of the migratory habits of the insect.

Above all, we beg our readers not to put off inspecting the plants for thrips infestation until blooms appear. If they already have a good foothold at that time you may have a very discouraging task on your hands.

We recommend preventive spraying, once every 10 days after plants are up 6 or 8 inches until blooming. In any event, have your insecticide on hand to use if needed.

The thrips problem is now satisfactorily solved—a great blessing to all concerned.

D. D. T.
(by H. O. E.)

From accumulated data and our own experience we can talk straight from our own shoulder this year.

We are through with NAPHTHALENE FLAKES for gassing bulbs in storage . . . through with TARTAR EMETIC and its necessary "sweets" accompaniment for plant spray . . . through with CORROSIVE SUB-LIMATE (bichloride of mercury) bulb soaking as a prerequisite to planting, using it only where a particular batch of bulbs show some definite signs of some disease to be corrected.

Last year's alleged necessary precautions against human poisoning by D. D. T. were undoubtedly overdone, pending more experience. But we still suggest you do not inhale any mist and to wash hands after handling bulbs covered with D. D. T. dust. And that you avoid D. D. T. combinations with oil solutions or oil emulsion base.

For dusting bulbs in storage. The sooner the better after dug and roots relatively dry. If not dry in a week it is not nearly so important as getting the bulbs dusted promptly to prevent thrips from crawling down the short stem to the crown of the bulb where dust may never penetrate. D. D. T. does not gas them like naphthalene flakes. Use and D. D. T. dry dusting powder 1 to 3 per cent strength is enough . . . over 5 per cent a sheer waste of money and increase of possible human hazard by inhalation.

We think the dry dusting powder is better than the wettable dust as it shakes onto the bulbs more freely and formulas of 5 per cent and less are much more readily obtainable. 1 ounce onto 40 pound (a bushel) of bulbs is enough if well distributed. After rooting the process should be repeated. If at rooting time a stray bulb is found on which there are found some brown thrips feeding areas, just strip down from the cut stem a segment of husk exposing perhaps a fourth of the top of the bulb to make sure that any stray thrips cooped up in there will be reached by the dust. If the dust offered to you has some sulphur or rotenone or pyrethum added do not object as any of these may be beneficial preventives beyond and apart from the capabilities of the D. D. T. Fermate is also a desirable addition.

The dust is cheap, so if you buy in some bulbs take no chances. Give them a D. D. T. dusting on arrival, preferably at least 20 days before planting to assure getting any possible egg to larvae to insect cycle.

Do not waste any time trying to remove the dust from the bulbs. D. D. T. and the other possible ingredients mentioned will not harm starting roots and sprouts and some preventive action of benefit may accrue to the dust treated bulb in the soil.

In the field do your own choosing as to spraying or dusting. In any event begin when the plants are about 8 inches tall and repeat about every 10 days or so until plants begin to bloom. After this preventive work would suggest no further effort except for noticeable cause. If you like clean foliage with your cut spikes, we would mention that dust is the more likely to make marring deposits on the foliage.

If you dust your plants, 3 to 5 per cent of D. D. T. dusting powder is strong enough. If again you are offered a dust that includes sulphur or rotenone or pyrethum or fermate, any of these may be beneficial in certain conditions not controlled by D. D. T., such as aphids, fungus, etc.

If you use D. D. T. liquid spray, the wettable powder form is much safer (to you) than the liquid forms offered unless the label on the liquid clearly states that it carries no oil or oil emulsion base. Use either the wettable powder or liquid spray at the formula rate suggested on the label. If several strengths are suggested for various kinds of plants or pests, adopt the strongest formula.

NEW IMPROVED CERESAN

As developed by D. B. Creager, formerly Research Plant Pathologist at Urbana, Ill. (and sec'y the Ill. Gladiolus Soc.), now stationed at the Gladiolus Research Laboratory, Terra Ceia, Fla., to further study gladiolus bulb and plant diseases. After four year tests with thousands of bulbs and in conjunction with tests by Michigan groups.

These tests seem to indicate that it cleared off bulb diseases about 15 per cent better than did corrosive sublimate and without bloom delay and that in respect to bulblets, whereas corrosive sublimate reduced the production of healthy bulbs the new improved ceresan increased it about 100 per cent.

Formula in small amount: 1 oz. new improved ceresan, 3 teaspoon DuPont Spreader-Sticker, 3 gal. water. In larger amount, ½ lb., 5 tablespoon, 25 gal., respectively.

Mix the ceresan and spreader wetting agent first with paddle, avoiding hand contact while in this dangerous, concentrated form. Then add the water while stirring.

Soak BULBS in thin cloth bags 15 minutes but not longer than 30 minutes, stirring occasionally. Soak BULBLETS 30 minutes. Plant same day treated else wash out in

several water changes to stop the action and spread out thinly to dry. When ready to make the postponed planting dip for a few seconds again. Replace solution after using three times.

This treatment will not cure fusarium rots. Neither this treatment nor LYSOL is safe to use except on dormant bulbs and bulblets, so if bulbs have made appreciable root and sprout growth or if bulblets have been soaked for some time to partly germinate them, do not use this treatment.

For many years we have had shocking tales from growers who used Lysol either too strong or too long or delayed planting too long without corrective measures or planted them in soil so dry the action of the formula was maintained or treated bulbs already starting root and top growth. So many amateurs use makeshift storage quarters too warm to keep bulbs dormant until planting time that they, especially, should study carefully the warnings in this article.

We think the formulas described under this sub title are too hazardous for the average amateur grower to undertake.

If the New Improved Ceresan and DuPont Spreader-Sticker cannot be purchased locally, both may be had from Vaughan's Seed Store, 601 W. Jackson Blvd., Chicago, Ill. or any seed store handling DuPont products and many hardware stores likewise.

CORROSIVE SUBLIMATE

Also known as mercuric chloride treatment.

We no longer recommend this soaking formula except for those batches of bulbs that appear to need correction of noticeable bulb disease or for bulbs received not already D. D. T. dusted that you wish to plant earlier than the minimum 20 day egg-to-larvae-to insect cycle required by the powder to get an assured kill of any thrips before planting. This gives the bulb a coating that wards off various bulb diseases and fungus attacks. We used to keep our bulbs healthy by this process long before we ever heard of thrips. Now, it has been conclusively proved, this treatment also kills any thrips and their eggs, and, if used, you only need keep a watchful eye for thrips infestation from outside sources. Remember soaking processes are only advisable just before planting. This is not a fall treatment. If your bulbs are husked, they need only be soaked half as long, but we do not advise husking unless you know your bulbs are infested badly and you wish to take no chances on penetration to the bulb. Many have inquired if the treatment is safe to use on badly sprouted or rooted bulbs. This will not harm them.

We have never discovered that any benefits may be had from soaking bulblets in this solution.

We read an article in a Canadian "quarterly" by someone who called himself "I Dip-pem," who said he had a lot of little batches. To keep them separate he obtained some of the women folks' old stockings, slipped a batch into a toe with wooden label, tied the stocking above the batch and so proceeded until all the batches were conveniently ready to soak, remove and drain.

Note Important Revision of formula by U. S. Dept. Ent. to allow additional time for penetration of stubbornly tight husks.

Dissolve 1 oz. of the powder first in a bit of hot water, then pour into 7 gal. of water, preferably above 60 degrees. Remember, cold water may render the treatment ineffective. This must be poured into a non-metal container, such as a crock, wooden pail, glass or unchipped granite ware. Varieties kept separate in cloth bags. No difference if bulbs are then planted wet or dry, but the sooner the better as much of the coating may be lost if bulbs become dry. Solution weakens with use, so replenish 100% if used again. Soak 8 to 17 hours, preferably night before planting. Be sure bags are fully immersed. Do not use this substance in tablet form unless you learn exactly how much of the tablet, in weight, is actually corrosive sublimate. You want a final solution of about 1-1000. This solution is safe to the hands but is a deadly poison and must be used and disposed of with extreme care.

Suggest you dilute the solution about four to one and pour it about your iris, delphinium or perennials or on any brown spots on your lawn.

A WORD TO THE WISE

Disappointment can be minimized by leaving to the highly trained gladiolus specialist the experimentation and cash investment necessary to try out all the new offerings of the many hybridizers. Those who know the quality of competition in national, state and regional shows in the last few years have come to realize that inferior sorts rarely win. We list only those varieties currently winning first prize awards and, on occasion, a limited few new ones which we have grown and which, in our opinion, are about to take their place in the winning ranks. We have almost no errors to acknowledge.

We have no knowledge of the existence of any other gladiolus catalog in the world that even closely approaches so exclusive a list of prize-winners.

Also, it is well to leave to the federal, state and university entomologists, pathologists and to gladiolus specialists cooperating with them, the determination of best usages for the control of insect pests and bulb and plant diseases. Experimentation by others with poisons, poisonous gases and with insecticides, the component parts of which are not understood by the user, and with unapproved methods of fertilization, usually leads to trouble.

GLADIOLUS SOCIETIES

There are now upwards of forty state and regional societies in the U. S. and twelve provincial or regional societies affiliated with the Canadian Gladiolus Society. Several each in Australia and New Zealand. National societies in England, Holland, Belgium and Germany. Upon request we will assist you to contact your nearest society.

In the U. S. the **New England** Gladiolus Society ("A") has affiliations with 26 state and regional societies, 3 of them in Canada.

In U. S. is also the **North American Gladiolus Council** ("B") organized in 1945 to assume many functions of a U. S.-Canadian federation, having affiliations with 18 state societies and one Canadian commercial growers group.

In Canada the **Canadian** Gladiolus Society ("C") has affiliations with 16 provincial, regional or district societies and with the Ohio society as well.

To conserve space on this page these major societies will be designated A, B, C, respectively.

Affiliated with A, B and C:—Ohio and Pennsylvania. (Ohio largest affiliate, '47 of both N. E. G. S. and C. G. S.)

Affiliated with A, C:—Calgary and Winnipeg.

Affiliated with A, B:—Blue Ridge, Empire State, Ill. Iowa, Ohio, Nebr., Pacific N. W., Tri State, S. E. Mich., Utah, Vancouver, W. Va., Wis. and Yakima Valley, (Wash).

Affiliated with A only:—East Bay (Calif.), Maine, Mich., Minn., Mont., Okla., So. Calif., S. W. Va., Verdun (Que.), Wash.

Affiliated with B only:—Conn., E. N. Y., Ind., N. J. and Md.

Affiliated with B and C:—Ottawa Dist. G. C.

Affiliated with C only:—Edmonton, Moncton, Hamilton, Lethbridge, North Bay, Winnipeg and Wilkie.

Publications: A has 250 page year book and 6 magazines of about 36 pages. B has 4 Quarterly Bulletins. C has 200 page year book especially valuable for its symposium rating of some 800 varieties.

Make up your own combination subscriptions or "memberships". The local society dues are \$1.00. To combine A, add \$1.50. To combine with B, add 75c. To combine with C, add \$1.00. **All joint or "affiliated" membership dues are payable only to the local society.** Examples: the only all-inclusive one is Ohio x A x B x C \$4.25 (local \$1.00, A \$1.50, B 75c, C \$1.00, total \$4.25). Another: Ohio with C only, \$2.00. Another example: Calgary \$1.00, with A \$1.50 and C \$1.00, total \$3.50.

British. Activity suspended.

Calgary. Annual. Sec'y H. S. Young, c/o Hollingsworth Ltd., Calgary, Alta.

Canadian. Year Book. \$2.00. Sec'y Mrs. J. A. Carleton, 166 Willow Rd., Guelph, Ontario, Canada.

Eastern N. Y. and N. J. 4-6 Bulletins. \$1.00. Sec'y (N. J.) W. I. Larson, Box 253, Laurel Springs, N. J.

Empire State. 8 Bulletins. Sec'y Gordon R. McKenney, 69 Main St., E. Rochester, 4, N. Y.

Illinois. Quarterlies. Sec'y Ralph E. Kircher, 1419 West Edwards St., Springfield, Ill.

Indiana. Bi-monthly Bulletins. Sec'y F. O. Sonafrank, R 1, Peru, Ind.

Iowa. Irregular Bulletins (4-12) Sec'y Wm. H. Collins, State House, Des Moines, Ia.

Maine. Annual. Sec'y Mrs. George J. Walenta, South China, Maine.

Mich. \$1.00. Sec'y Hartley Holmes, 128 Glendale Ave., Highland Park 3, Mich.

Minn. 2 Bulletins, 9 issues Minn. Horticulturist, \$1.75. Secretary Loren Cahlander, 3522 Knox Ave., North, Minneapolis 12, Minn.

National Gladiolus Circle of New Zealand. Year Book, about 100 pages. \$1.00. (U. S. dollar bill is OK). (Issues in June). Hubert G. Clarke, "Santa Clara," 222 Waimairi Rd., Waimairi, Christchurch, N. W. 3, New Zealand.

North American Gladiolus Council. Subscription to Quarterly only \$1.00. Sec'y A. Bazdorf, Lincoln Park, N. J.

New England. Year Book and 6 Magazines \$2.00. Sec'y A. N. Drake, Horticultural Hall, Boston 15, Mass.

OHIO. Quarterly Bulletins. (Ohio-B, \$1.75). Ohio-AB, \$3.25). (Ohio-ABC, the only available 4-way combination, the best literature combination obtainable anywhere, \$4.25, a saving of \$1.75. Payable only through Ohio Sec'y W. W. Wood, Rudolph, Ohio). (Ohio-BC is \$2.75).

S. E. Mich. Annual and occasional Bulletins. \$1.00. Sec'y Arthur H. Bruske, 12134 Wyoming Ave., Detroit 4, Mich.

Wisconsin. Includes the very fine monthly magazine "Wisconsin Horticulture," Sec'y F. M. Bayer, 4668 N. 41st St., Milwaukee 9, Wis.

COLOR CHART

The mounted Fischer Color Chart (108 color blocks) is again available. Send us \$2.00 and we will have one shortly in your hands with printed instructions, postpaid.

FREE BULBS

Here is how. This offer is only to secure new members, not renewals and cuts your membership fee in half, as you will readily see.

To all customers sending in Retail orders of \$7 cash and up. If you will also transmit to us your check or money order made out to any of the above societies, in the full amount for one year new membership fee, we will transmit same to such society and you may add to your order bulbs of your own selection from our catalog (at list prices, no further discounts) to the amount of one half of such membership fee.

Illustration: A customer sends in \$7, or larger retail order and selects the Ohio-

Canadian affiliation, enclosing \$2.00 made payable to the Ohio society. He selects and adds to his order \$1.00 worth of bulbs (at list prices), without charge. We do the rest.

FREE MEMBERSHIP

To all customers, including foreign, whose purchases at Retail net \$25 or more, provided such customer is not already a member, we will give a paid-up one year membership in the Canadian Gladiolus Society and the Ohio State Gladiolus Society. Or the \$2.00 mounted Fischer Color Chart.

This page is not a gesture. It has been costing us in the neighborhood of \$200.00 in cash and bulbs for many years.

CLASSIFICATION INDEX

A booklet of about 24 pages, identifying size, color, originator, year first available via U. S. price lists and number of days to bloom. About July 1st send 10 cents to secretary N. A. G. C. for 1948 edition.

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SOLON, OHIO

Please write plainly

Amount Enclosed

Street.....

\$-----
(Currency is unsafe)

P. O. Box.....R. D. No.....Box.....

Date _____

Postoffice.....194

State.....Express Address.....

Delivery wanted when? (see terms of sale)

See remarks overside re Extras

[illegible]

**Use other side of this Order
Blank for additional items**

TOTAL

Carry this amt. over

ORDER BLANK—Continued

[illegible]

SHALL WE SUBSTITUTE? If cannot supply kind ordered, shall we send another of equal or superior quality, subject to your approval? We are so careful and liberal when making substitution that we have yet to receive the first complaint! Answer is particularly desirable if order comes in late season.

Your answer.....

Any suggestions about extras? By overcount? By oversizing? By varieties other than those ordered?

If latter, suggest a few.....

Remarks:.....





Tuts Both